HUAWEI Y5 2018

User Guide

HUAWEI

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Exciting Features

VoLTE: Make Calls and Use Data at the Same Time

VoLTE (Voice over LTE) allows both call and data services to be carried on the same 4G network, which means you can use the Internet even while making calls. VoLTE also provides you with shorter call connection times and higher quality voice and video calls.

Both of your Phone's SIM card slots support 4G, VoLTE, and VoWiFi, so there is no need to switch SIMs back and forth.

Some carriers may not support this feature.

Clean Up Memory for Faster Performance

Does your Phone slow down over time? Do you want to clean up your system storage but are unsure which files to delete? Memory cleanup helps you quickly clear your cache, large and residual files, and unused app files to speed up system performance and keep your Phone in top shape.

When your system performance slows down or remaining storage space is low, Phone Manager will remind you to clean up. You can follow the onscreen prompts to clean up your Phone's memory and free up storage space.

Clean: Scan for and clean up trash files and system cache to quickly free up memory and internal storage space without affecting your Phone usage.

Deep clean: Scan for redundant files including WeChat files, large files, videos, images, app residual files, music files, unnecessary installation packages, unused files, and files that take up a lot of space, and obtain cleaning suggestions based on the scan results. This helps you free up storage space without accidentally deleting important files.

New Device

New Device Configuration

Connecting to the Internet

Connect to Wi-Fi networks effortlessly with your device.

Connecting to a Wi-Fi network

1 Swipe down from the status bar to open the notification panel.

2 Touch and hold to open the Wi-Fi settings screen.

3 Switch on **Wi-Fi**. Your device will list all available Wi-Fi networks at your location.

4 Select the Wi-Fi network you want to connect to. If you select an encrypted network, you will also need to enter the Wi-Fi password.

Connecting using mobile data

Before using mobile data, ensure that you have a data plan with your network provider to avoid incurring excessive data charges.

1 Swipe down from the status bar to open the notification panel.

2 Touch to enable mobile data.

When you don't need to access the Internet, disable mobile data to save battery power and reduce data usage.

Manage Dual-SIMs

You can enable or disable a SIM card based on your usage needs. You can also set a default SIM card for accessing the Internet and making calls.

Open > **Wireless & networks** and touch **Dual SIM settings**. Configure the two SIM cards based on your needs. The disabled SIM card cannot be used to make calls, send messages, or access the Internet.

Enable call forwarding: **Enable call forwarding between SIMs**. While on a call using one SIM card, incoming calls on the other SIM card can be forwarded to the present SIM, so you can choose to answer or not.

Some carriers may not support this feature.

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Gestures and Operation

Take a Screenshot of Your Entire Screen

Use combo key to take screenshot: Simultaneously press and hold the Power button and the Volume down button to take a screenshot of the full screen.

Use shortcut switch to take screenshot: Swipe down from the status bar and open the shortcuts panel, then touch to take a screenshot of the full screen.

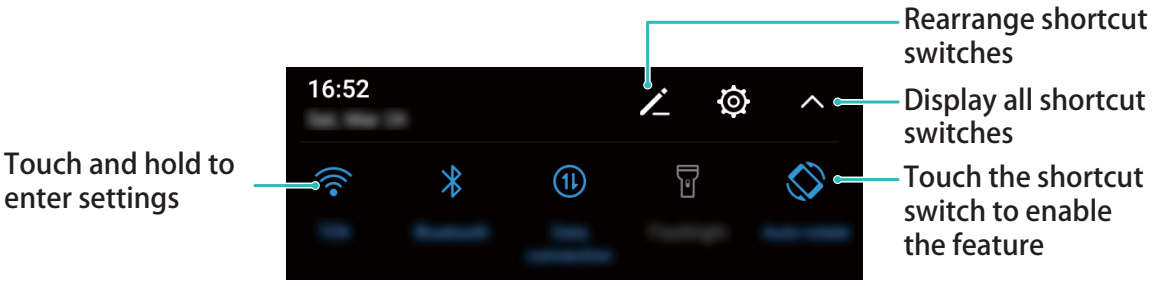
After taking the screenshot, touch or to edit or share the screenshot. The screenshot will be saved in **Gallery** by default.

Home Screen

Quick Switch

Use Shortcut Switches to Quickly Enable Frequently Used Features

Want to quickly enable or disable mobile data or Wi-Fi? Swipe down from the status bar and open the shortcuts panel, then touch the corresponding shortcut switch to enable or disable a feature. Touch and hold a shortcut switch icon to enter the feature's settings page.


Rearrange shortcut switches
Display all shortcut switches
Touch and hold to enter settings
Touch the shortcut switch to enable the feature
16:52

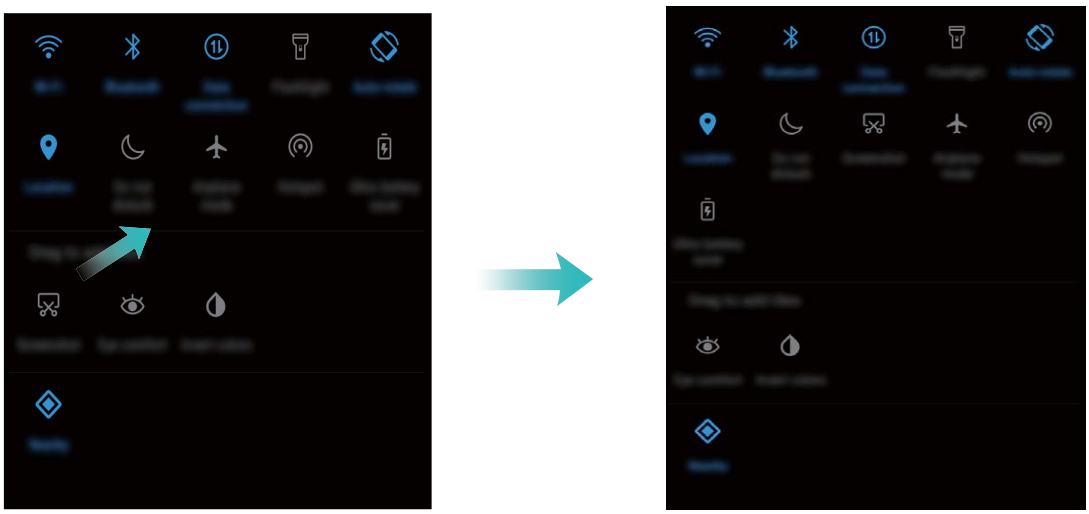
Adjust the Position of Shortcut Switches to Your Liking

Adjust the positions of the shortcut switches to put the ones you use regularly at the top.

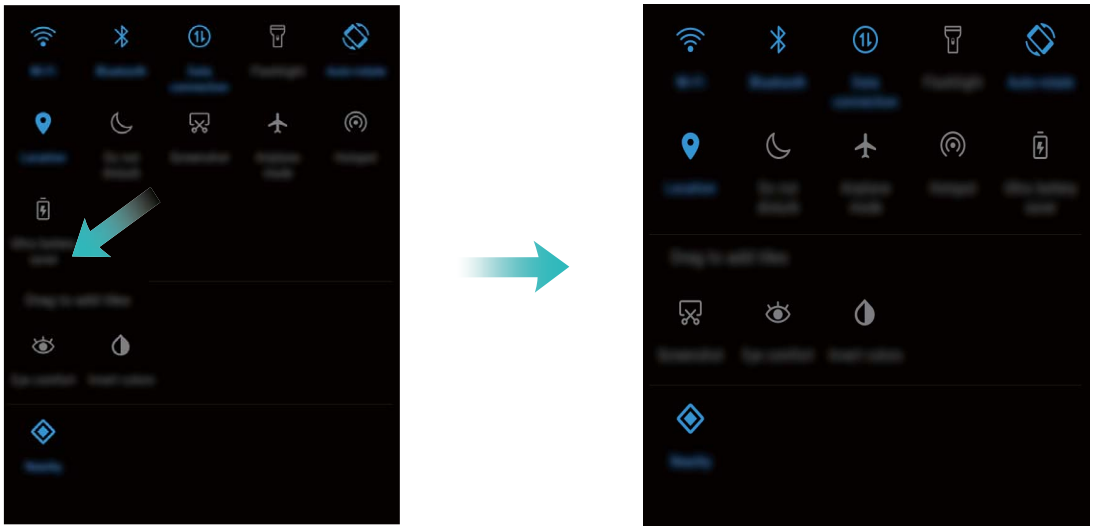
Swipe down from the status bar, open the shortcuts panel, and touch . From the shortcuts panel, you can:

Rearrange shortcut switches: Touch and hold a shortcut switch and then drag the icon to a position of your choice.

Add a shortcut switch: Drag a shortcut switch from the hidden area of the panel to the displayed area, then touch **BACK**.



Delete shortcut switches: Drag a shortcut switch from the displayed area of the panel to the hidden area, then touch **BACK**.



Notification and Status Bar

Understanding Status Bar Icons

Use the status bar to view connection information, check the remaining battery level, and check for new notifications.

Status icons: Status icons tell you about your Phone's status, including network connections, signal strength, battery level, and time.

Status icons may vary according to your region or carrier.

	Signal strength		No signal
4G+	Connected over 4G+	3G	Connected over 3G
4G	Connected over 4G	H	Connected over HSPA+
2G	Connected over 2G	4G	Connected over LTE

HD	VoLTE enabled		Aeroplane mode enabled
R	Roaming		Connected over Wi-Fi
	Bluetooth enabled		Receiving location data from GPS
	Wi-Fi network available		Silent mode enabled

	Vibration mode enabled		Charging
	Alarms activated		Battery low
	Battery full		No SIM card found
	Headset plugged in		

Notification icons: Notification icons are displayed on the left-hand side of the status bar when you receive a new message, notification, or reminder.

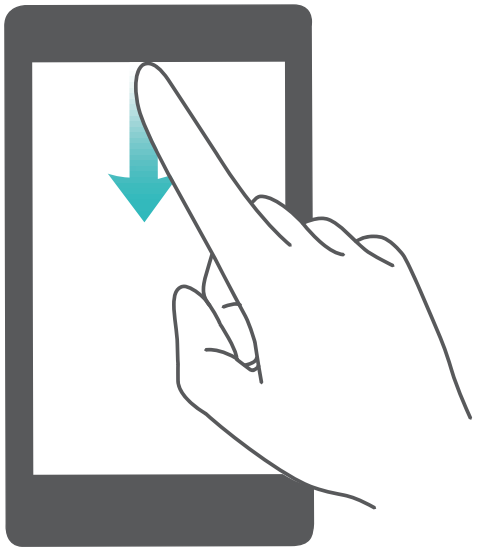
	Missed calls		New emails
	Downloading data		New voicemail
	Upcoming events		Uploading data
	Synchronizing data		Phone memory full
	Log in or synchronization error		Synchronization failed
	Connected to a VPN		More notifications

Open the Notification Panel to Get Important Information

Want to ensure that you do not miss out on any important notifications? From your Phone's status bar, you can view real time notification information and your device's operating status.

When there is a notification reminder, you can turn on the screen and swipe down from the status bar to view the notification. You can access notification and status bar settings in the following ways:

- **Access notification and status bar settings when the screen is locked**: Turn on the screen and swipe down from the status bar, touch , enter your password, and then go to **Apps & notifications** > **Notifications**.



- **Access notification and status bar settings when the screen is unlocked**: Go to **Settings** and then go to **Apps & notifications** > **Notifications**.

Disable Disruptive App Notifications

Find it annoying to receive so many different types of app notifications? You can set and disable app notifications to prevent this from happening.

Go to **Settings**, then go to **Apps & notifications** > **App notifications** > **Notifications**. From here, you can disable all app notifications. You can also select a particular app and disable its notifications by configuring the app's settings.

Customise Notifications to Your Liking

Not a fan of the default notification reminders? You can customize notification reminders so that you get notifications the way you want them.

Go to **Settings**, then go to **Apps & notifications** > **Notifications**. You can:

- **Set notifications light to pulse**: Turn on **Blink light**, and the Phone notification light will flicker when you receive new notifications.
- **Display more information in the status bar**: Depending on your preferences, you can enable **Display carrier name** and **Display network speed**. You can also set the **Notification method** and choose how the **Battery percentage** is displayed.

Screen Lock and Unlock

Set a Lock Screen Password to Protect Your Privacy

Personal photos, contact information, and banking apps, your Phone stores a lot of sensitive information. Set a lock screen password so that a password is required each time you unlock your Phone. A lock screen password helps to protect your private information if your Phone is lost or accessed by an unauthorised user.

Set a lock screen password: Open **Settings**, go to **Security & location** > **Screen lock**, and set the type of lock screen password you prefer.

- **Set a PIN**: A PIN number is a sequence of digits. Entering a PIN to unlock your device is quick and simple. For better security, use a long sequence of random numbers as your PIN. Go to **Password** > **PIN**, follow the prompts to set up a PIN, then touch **OK**.
- **Set a pattern**: Unlock your device by drawing a preset pattern on the screen. For better security, use a pattern that includes overlapping line segments. Go to **Password** > **Pattern** and draw the same pattern twice. The pattern must connect at least 4 dots.
- **Set a password:** A password made up of numbers, letters, and special characters is more secure than a PIN or pattern. For better security, use a password with 8 or more characters that includes numbers, letters, and special characters. Please memorise the password so that you don't get locked out of your device if you forget it. Go to **Password** > **Password**, follow the prompts to set up a password, then touch **OK**.
- **Unlock your device using a smart band**: If your device supports unlocking with a smart band, the screen will automatically light up when the band comes within 80 cm of your device. Swiping on the screen will instantly unlock the device. Touch **Smart unlock**, and follow the onscreen prompts to complete the setup.

Lock the Screen to Quickly Secure Your Phone

If you don't use your Phone for a set period of time, the screen will turn off and lock. As long as the screen stays on, you can use your Phone without needing to unlock the screen. Lock your screen when you are not using your Phone to protect your privacy and prevent mistaken inputs.

Set a lock screen password to help protect your privacy. You can lock your device in the following ways:

Lock the screen instantly with the Power button: Press the Power button to lock the screen at any time.

Home Screen Management

Manage Home Screen Icons

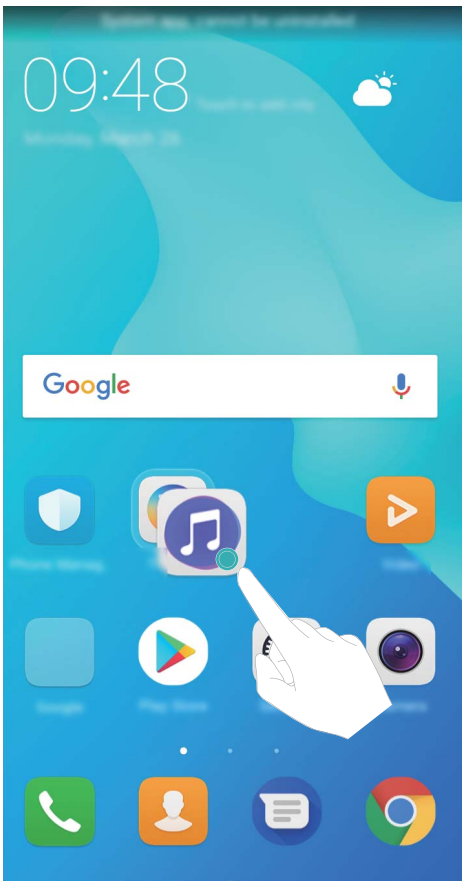
Is your home screen cluttered with app icons? You can move or delete icons from the home screen or sort and move them to folders for more convenient use.

Move a home screen icon: From the home screen, touch and hold an app until your Phone vibrates, then drag it to any position on the screen.

Delete an app: From the home screen, touch and hold the app you want to uninstall until your Phone vibrates, then drag it to . Follow the onscreen prompts to delete the app.

To ensure that the system runs normally, some preinstalled system apps cannot be uninstalled.

Create a folder to store app icons: From the home screen, touch and hold an app until your Phone vibrates, then drag it on top of another app. The two apps will now be placed in a new folder.



Delete a folder: Open the folder, touch +, deselect all the apps, then touch **OK**. The folder will be deleted automatically and all the apps in the folder will be moved to your home screen.

Rename a folder: Open the folder, touch the folder name and enter a new name.

Add or delete app icons from a folder: Open the folder, touch +, select or deselect apps as required and then touch **OK**. The selected apps will be automatically added to the folder while the deselected apps will be removed from the folder.

Another way to remove an app from a folder is to touch and hold the app in the folder until your Phone vibrates, and then drag it to the home screen.

Manage Your Home Screen

Too many icons on your home screen? You can add a new page to your home screen and customise it to your liking.

Touch and hold an empty area on the home screen to enter home screen editing mode. You can then:

- **Add a new home screen page**: Touch + at the left or right side of the screen to add a new home screen page.
- **Delete an empty home screen page**: Touch × on a blank screen to delete the page.

  Home screen pages with app icons or widgets on them cannot be deleted.
- **Modify home screen page order**: Touch and hold the home screen page you want to shift, then drag it to the position of your choice.

- **Set a default home screen page**: Touch in the upper part of the home screen to set the selected home screen page as your default home screen page.

Set Your Home Screen Wallpaper

Want to set a picture you like as your home screen wallpaper? Personalise your wallpaper to make your home screen stand out.

Go to **Settings**, then go to **Display** > **Wallpaper**. You can:

- **Randomly switch wallpaper**: Enable **Randomly change home screen wallpaper** and set the **Interval** and **Album to display**.

Set a picture in your Gallery as your wallpaper: Have a great picture you want to set as your wallpaper? Open **Gallery**, open the picture that you like and then go to > **Set as** > **Wallpaper** to set the picture as your home screen wallpaper.

Manage Your Home Screen Widgets

Want to quickly add widgets such as one-touch lock screen, memo browser, or diary to your home screen? You can add, move or delete home screen widgets to tidy up your home screen and make it easier to use.

Add widgets: Touch and hold an empty area on the home screen to enter home screen editing mode. Touch **Widgets**, select a widget and drag it to an empty area on the home screen.

Check that there is enough empty space on the home screen to put the widget. If there is not enough space, add another home screen page or free up some space on the current home screen page.

Delete widgets: Touch and hold a widget on the home screen until your Phone vibrates. Drag the widget to **Remove** at the top of the screen.

Move widgets: Touch and hold a widget on the main screen until your Phone vibrates, then drag the widget to any position on the main screen.

Use App Drawer to Store Apps

Want to store your apps in one location on your home screen to give your home screen a neater look? You can enable the app drawer on your home screen to store all your apps and free up space on your home screen.

Open **Settings**, go to **Home screen style**, and select **Drawer**. If you want to switch back to a standard home screen, select **Standard**.

Add an app icon from the app drawer to the home screen: After you enable the app drawer, touch on the home screen to enter the app list. From the app list, touch and hold the app icon that you want to add and drag it to any position on the home screen.

Contacts

Managing Contacts

Import and Export Contacts

When you switch to a new Phone, you'll need to transfer your existing contacts.

Open **Contacts**, go to > **Import/Export**, and then select one of the following:

- **Import contacts**: Select **Import from storage** , **Import from SIM**, **Import from another device** and follow the instructions.
- **Export contacts**: Select **Export to storage** or **Export to SIM**, **Share contacts** and follow the onscreen instructions. By default, **.vcf** files exported through **Export to storage** are saved in the root directory of your device's internal storage. Open **Files** to view exported files.

You can also import or export contacts using the **Backup** feature. Backup records are saved in the **Huawei** folder of **Files** > **Local** > **Internal storage** by default.

Manage Your Contacts

The Contacts app gives you a host of features for managing your contacts. You can simplify your contacts list, choose to only view contacts on your Phone or SIM card, and easily find your frequent contacts.

Merge duplicate contacts: If there are duplicates in your contacts list, you can use the **Merge duplicate contacts** function to merge duplicate contacts. From the contacts list, Go to > **Organise contacts** > **Merge duplicate contacts**, select the contacts you want to merge, and then touch .

Display contacts for different accounts: Want to only view contacts on your Phone or SIM card? Go to > **Display preferences**, and select the accounts that you want to display. You can also:

- **View contact storage space**: Want to check your contact storage space? From the contacts list, go to > **Display preferences**. In the **Accounts** section, you can see the total storage space available on your device or SIM card.

Manage Contact Groups

Want to send a message to a group of colleagues or host a get-together? Smart groups automatically groups your contacts by company, city, and most recent contact time, so you can quickly send a group email or message.

Create a contact group: From the groups list, touch , enter the group name (such as Family or Friends), and then touch **OK**. Follow the onscreen instructions to add contacts.

Edit a group: From the groups list, select the group you want to edit and touch + to add a contact, or touch ⋮ to **Remove members**, **Delete group** or **Rename**.

Delete a group: From the groups list, touch and hold a group, and then touch **Delete**.

Add Contacts to the Blacklist

You can add a contact number to the blacklist to avoid receiving harassing or spam calls from them.

Open **Contacts**, touch and hold the contact you want to add to the blacklist, and then touch **Add to blacklist**. Your device will block all calls and messages from contacts in the blacklist.

View blacklisted contacts: Open **Phone Manager**, go to **Blocked** > ⚙, and then touch **Numbers blacklist** to view the blacklist.

Remove a contact from the blacklist: Open **Contacts**, touch and hold the contact you want to remove from the blacklist, and then touch **Remove from blacklist**.

Dialling

Basic Calling Functions

Make Calls

On the dialler screen, enter part of the telephone number or the first letter or pinyin initials of the contact's name. Your Phone will automatically search for the relevant contacts.

Open **Phone**. From the dialler screen, enter the telephone number or the first letter of the contact's name. Your device will automatically search Contacts, call logs. Touch the contact you want to call in the list. If you have a dual-SIM device, touch or to make the call. You can check your contact's status on your screen (such as ringing or call forwarding enabled). Touch to hang up.

Make Emergency Calls

In an emergency situation, if your Phone is powered on and within the service area, you can make emergency calls even if the screen is locked or there is no mobile reception.

The emergency call feature is subject to your local regulations and Internet service provider. Network issues or environmental interference may lead to failed emergency calls. In emergency situations, do not rely on your Phone as your only method of communication.

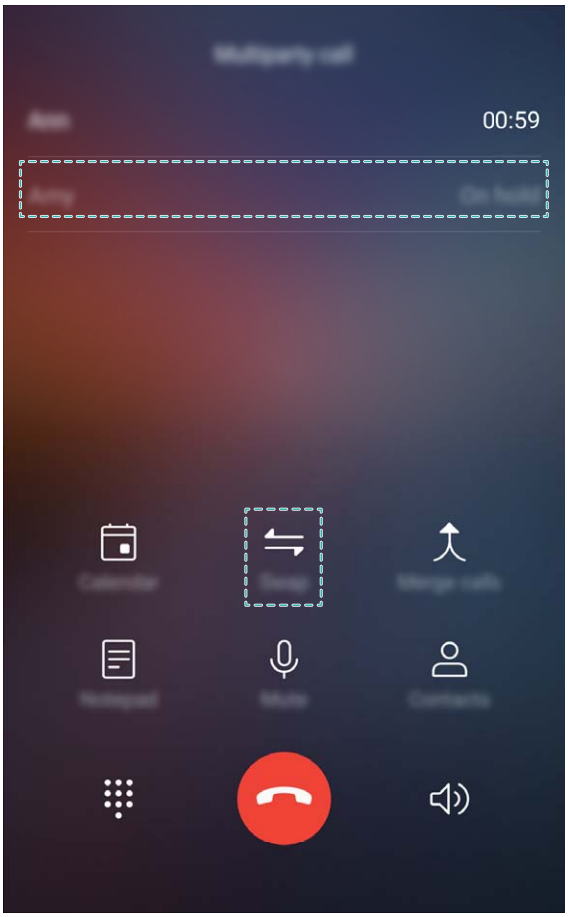
Open **Phone** or touch **Emergency call** on the lock screen, enter the local emergency number on the dialler, and then touch . If your location has strong mobile reception and your Phone is connected to the Internet, your location will be obtained and displayed on your screen for your reference.

Enable Call Waiting to Never Miss Important Third-Party Calls

Receiving an incoming call while you're already on a call? Call waiting allows you to answer the new call and then switch between the two calls.

Some carriers may not support this feature.

Open **Phone**, go to > **Settings** > **Additional settings**, and enable **Call waiting**. When receiving another call, touch to answer the call and place your first call on hold. Touch or the call on hold in the call list to switch between calls.



Enable Call Forwarding and Never Miss a Call

If you are unavailable to answer calls, you can set your device to forward calls to another number.

Some carriers may not support this feature.

Open **Phone**, and go to > **Settings** > **Call forwarding**. If you have a dual-SIM device, in the **SIM 1** or **SIM 2** section, touch **Call forwarding** and select a forwarding method. Enter the number you want to forward your calls to, then confirm. When call forwarding is enabled, your device will automatically forward eligible calls to the preset number.

Delete Call Logs

You can delete call logs that you no longer need.

Open **Phone** and touch to hide the dialpad. You can now perform one of the following:

- **Delete a single record**: Touch and hold an entry, then touch **Delete entry**.
- **Delete multiple records**: Touch , select the entries you want to delete or touch **Select all**, then touch .

Enable Voicemail

Worry about missing important calls when your Phone is turned off? Voicemail records real-time messages from callers so you'll never have to worry about missing an important call.

Voicemail requires carrier support. Please check that you have enabled this service. Contact your carrier to learn more about your voicemail number, service details, and fee information.

Enable voicemail: Open **Phone**, go to > **Settings** touch **Additional settings** (for dual-SIM Phones, in the **SIM 1** or **SIM 2** section, touch **Additional settings**), then go to **Voicemail** > **Advanced settings** > **Setup** > **Voicemail number** and enter the voicemail number provided by your carrier.

Check voicemail messages: On the dialler, touch and hold **1** to call the voicemail and listen to messages.

Activate International Roaming for Borderless Communication

When you travel abroad for work or a holiday, you can make calls when your Phone is roaming without having to dial the country code.

This feature requires carrier support. Please ensure that roaming or international roaming has been enabled for your SIM card. For more information, contact your carrier.

Open **Phone** or **Contacts** to make a call.

VoLTE

VoLTE: Make Calls and Use Data at the Same Time

VoLTE (Voice over LTE) allows both call and data services to be carried on the same 4G network, which means you can use the Internet even while making calls. VoLTE also provides you with shorter call connection times and higher quality voice and video calls.

Both of your Phone's SIM card slots support 4G, VoLTE, and VoWiFi, so there is no need to switch SIMs back and forth.

Some carriers may not support this feature.

Enable VoLTE to Enjoy HD Calls

Only dual-SIM phones support both SIM card slots enabling 4G, VoLTE, and VoWiFi.

Open **Settings**, and go to **Network & Internet** > **Mobile network**. In the settings section for SIM 1 or 2 (if supported by your carrier network), you can:

- **Enable 4G**: Turn on **Enable 4G**. Due to carrier customisation, there may not be a 4G switch on your phone. This indicates 4G is already enabled and does not need to be turned on manually.
- **Enable VoLTE calling**: Turn on **VoLTE calls**.
- **Enable Wi-Fi calling**: Turn on **Wi-Fi calling**.

Message

Basic Messaging Functions

Send Messages

Text messages give you a quick and easy way to communicate with friends, family and colleagues. In addition to text, you can also add emojis or insert pictures and audio files to enrich your messages.

Open **Messages**. From the list of messages, go to and select a contact or enter a telephone number at the location of To. Enter your message content, touch to add other types of content, and touch to send the message.

Save a draft message: Touch to save a message as a draft.

Manage Messages

The Messaging app makes it easy to stay on top of your messages.

Open **Messages**. From the list of messages, touch a contact or telephone number to view your conversations with them. Open an unread message and the system will automatically identify and highlight the telephone number, website address, email, time, and other information within the message. Touch the relevant information to initiate an operation.

Reply to messages: Enter the message content in the text box and touch .

Add a message to favourites: Worried about accidentally deleting an important message? Touch and hold a message and follow the onscreen prompts to add the message to favourites or lock it.

Forward a message: Want to share a message with your friends? Touch and hold a message and follow the onscreen prompts to forward or share it.

Delete a message: Tired of the clutter created by too many messages? Delete unneeded conversations or messages to clean up your message list. Swipe the message or conversation to the left, then touch . To delete notification messages, touch and hold the message or conversation to enter the editing screen, select the conversation or message, and go to > **Delete**. Deleted messages cannot be recovered.

Quickly reply to a message: Want to quickly reply to a message you received? New messages will be displayed in the notification panel. Touch to quickly reply.

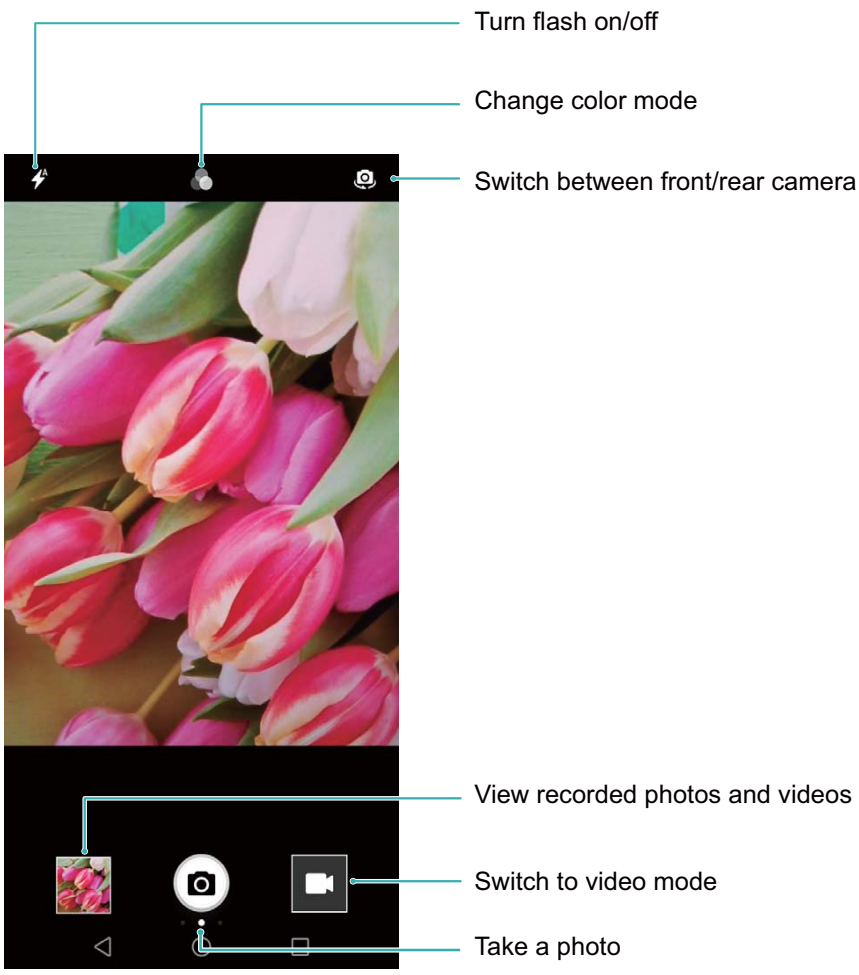
Search messages: Want to quickly find a message? From the list of messages, enter the keywords in the search bar and the relevant results will be displayed beneath the search bar.

Camera

Basic Camera Functions

Use Your Camera's Basic Functions

Understand your camera's basic functions to help you take better pictures.



Basic photo mode: Open **Camera** and in the viewfinder, touch to take a picture. You can also configure the Volume down button to work as a shutter button for your camera.

Select a photo mode: From the viewfinder, swipe right to enter the photo mode screen. Here you can change the photo mode according to your needs.

Zoom your camera in or out: From the viewfinder, touch the screen with two fingers and pinch them together to zoom in or move them apart to zoom out. If you zoom in beyond your camera's optical zoom limit, the image quality will decrease. After you touch the screen with two fingers and zoom in or out, a zoom bar will appear on the side of the screen, which you can also use to zoom your camera in or out.

Adjust your camera's exposure: Your camera will adjust its exposure automatically depending on the ambient light level. Increasing the exposure will make pictures appear brighter whereas decreasing

the exposure will make pictures appear darker. You can adjust the exposure manually from the viewfinder by touching the screen and dragging the icon up or down.

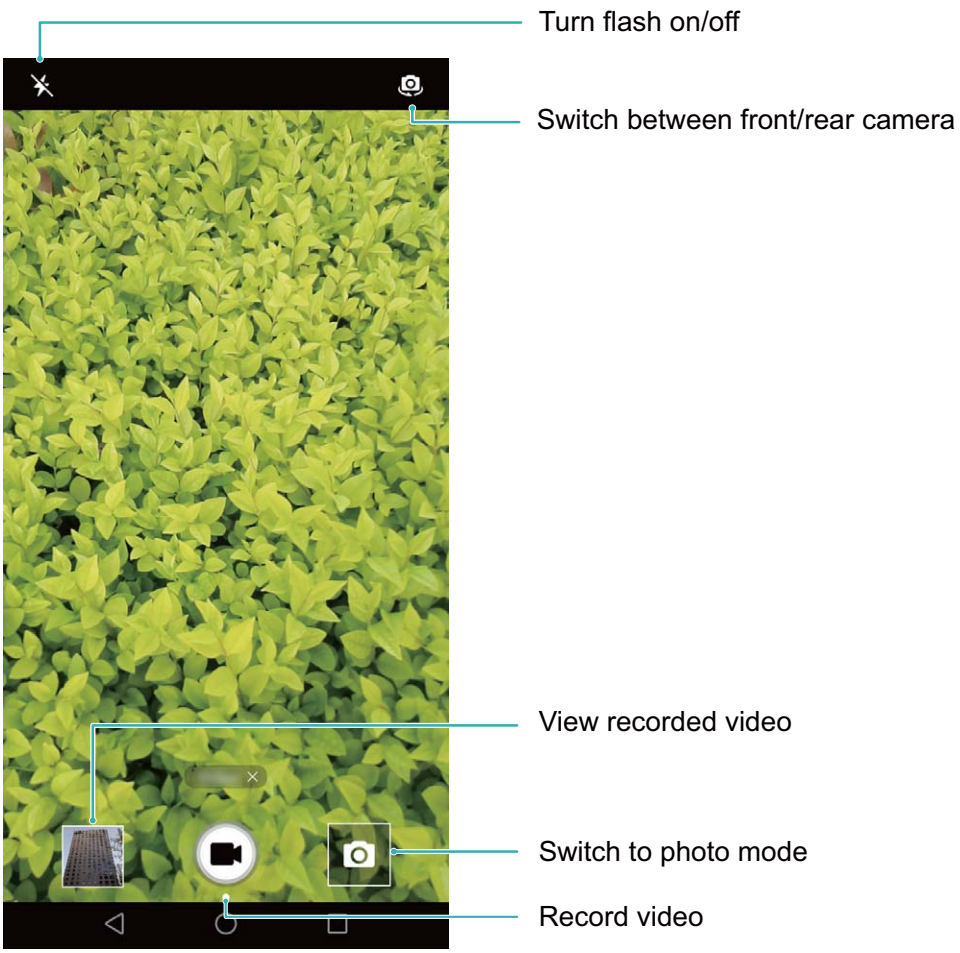
Enable or disable flash: Flash is used to provide extra lighting for taking photos in low light conditions. From the viewfinder, touch to select one of the following flash modes:

- **Auto**: The camera automatically enables or disables flash depending on the ambient light level.
- **Off**: Disable flash.
- **On**: Enable flash.
- **Always on**: Flash is always on while you are in the viewfinder.

Enable geolocation: Records your geographic location when you take a picture to allow you to search through your pictures by location. From the viewfinder, swipe left to enter the settings menu and enable **GPS tag**.

Use Camera to Record Videos

Besides taking pictures, you can also use the camera to capture high resolution videos with sound.



Record a video: Open **Camera** and touch to switch to video mode. Touch to start recording a video.

Take a picture while recording a video: You can touch when recording a video to take a picture.

Turn on flash: When recording a video in low light conditions, you can touch and select to turn on the flash.

Adjust Camera Settings

In the settings page of Camera you can adjust a variety of camera settings, modes, and specifications to suit your usage needs.

Touch viewfinder to shoot: Open **Camera**, swipe left to open **Settings** and enable **Touch to capture**. Now when you touch an object in the viewfinder, the camera will focus and take a picture automatically.

Lock focus distance: From **Settings**, touch **Touch & hold shutter button** and select **Lock focal length**. Now when you touch and hold the shutter button, the camera will no longer auto focus.

Use the volume button to take pictures, focus a shot, or zoom in or out: From **Settings**, touch **Volume button function** and select **Shutter**, **Zoom**, or **Focus** mode according to your usage needs.

Use an Camera Grid to Help You Compose Your Photos

If you don't know where to place the subject in your photos, try using the camera grid feature to improve your composition.

To select an camera grid, open **Camera** and swipe left on the viewfinder to open the **Settings** screen. Touch **Camera grid** and select a grid type.

The rule of thirds: Select the **Grid** or **Phi grid** grid. The four points where grid lines intersect are the focal points of the photo. Position the subject under one of these points to create an interesting composition.

The golden spiral: Select the **Fibonacci spiral (left)** or **Fibonacci spiral (right)** grid. The centre of the spiral is the focal point of the photo. Position the subject here to lead the viewer around the image in a natural flow.

Panorama

Use Panorama to Take Panoramic Selfies

Want to fit more friends or scenery in a selfie? Use Panorama to take selfies with a wider field of view.

1. To take a panoramic selfie, open **Camera** and touch to switch to the front camera.
2. Swipe right on the screen and touch **Panorama**.
3. Hold your Phone steady and touch to take the first picture.
4. Follow the onscreen instructions and turn your Phone in one direction until the blue frame overlaps with the square screen frame. The camera will automatically take another picture.
5. Follow the onscreen instructions and turn your Phone in the opposite direction until the blue frame overlaps with the square screen frame. The camera will automatically take a final picture.
6. Once complete, the camera will automatically combine the three pictures into a wide-angle selfie.

Panorama: Capture the World in Wide-angle

Panoramas provide a wider viewing angle than ordinary photos, letting you take sweeping landscape shots.

To capture a panorama shot, the camera takes multiple photos of objects within our visual field and stitches them together into a single photo.

When taking a panorama, find a wide, open space that is some distance away from the subject and try to avoid backgrounds that are all in one colour.

Open **Camera**. Swipe right on the screen, and then touch **Panorama**. In Panorama mode, touch at the top of the screen to configure the shooting direction.

Hold your Phone steady, and then touch to start shooting. Slowly move the Phone in the direction indicated, holding the device steady and ensuring that the arrow stays level with the centre line. Touch when you are finished. The camera will automatically stitch the photos together to create a panorama.

Beautification

Beauty Mode: Always Look Your Best

Want to always look your best in your selfies? Beauty mode lets you adjust a range of beautification settings with ease. It can also create a personalised beauty information database tailored to you.

- **Beauty mode**: Enable Beauty mode to automatically apply beautification effects to everyone in the frame.
- **Perfect selfie**: Enable Perfect selfie and your Phone will create a custom beauty plan for you. The higher the beautification level, the more pronounced the effects.

Use Beauty Mode to Always Look Your Best

Want to bring out your beauty in selfies and group shots? Beauty mode helps you look your best in every photo you take.

Enable Beauty mode to capture more beautiful photos: Open **Camera**, then swipe right on the screen to enter **Mode** settings. Touch , and then Drag the sliders left and right to adjust beautification effects. A higher **Beauty level** translates to more pronounced beautification effects.

After adjusting, touch to take photos in **Beauty** mode.

Enable Perfect selfie mode and customise beauty parameters: Open **Camera**, then swipe left on the screen to enter **Camera** settings. Touch **Perfect selfie**, then enable **Perfect selfie**. Take photos of yourself looking to the front, sides, and downwards as prompted, and then set the beauty parameters. A larger value translates to more pronounced slimming and beautification effects. After configuration, touch ✓ to save your personalised beauty information.

- **Reset personal information**: Under **Camera** settings, go to **Perfect selfie** > **Edit personal info**, and follow the onscreen prompts to re-take photos of yourself looking to the front, sides, and downwards. This will reset the beauty parameters.
- **Adjust beauty parameters**: Under **Camera** settings, go to **Perfect selfie** > **Set beauty effects** to adjust parameters such as the smoothness of skin.

Gallery

Photo Management

Edit Videos

Crop a video: Open **Gallery**, select the video you want to edit, and touch to enter the video editing screen. You can drag the slider in the crop area to select the segment you want to keep, and touch to finish cropping the video.

Adjust the video resolution: As you drag the slider to select the video segment you want to keep, you can touch to preview the cropped video. You can also touch the video resolution options (such as **Full HD** , **HD** or **Standard**) on the editing screen to adjust the video resolution.

The higher the resolution, the clearer the video, but also the greater the storage space required. Choose according to your needs.

Edit Photos

Want to edit a picture you just took to make it even better? You can use the Gallery's editing features to crop, rotate, and apply a variety of effects (such as graffiti, personalised watermarks, and filters) to your photos to make them more striking.

Go to **Gallery**, select the photo you want to edit, and touch to enter the photo editing screen. You can use the following features to edit your photos:

- **Rotate a photo**: Touch , and slide the angle dial to customise the rotation angle of the photo. You can also touch **Rotate** or **Mirror** to rotate your photo 90 degrees or flip it.
- **Crop a photo**: Touch , and drag the grid tool box or its corners to make your selection. You can also select a fixed crop ratio and drag the corners of the grid tool to crop the photo.
- **Add filter effects**: Touch , and select your desired filter effect.
- **Adjust photo effects**: Touch to adjust the photo's brightness, contrast, saturation, and other parameters according to your preferences.
- **Create photo mosaics**: Touch , and select your desired mosaic style and size to create a photo mosaic.
- **Graffiti on photos**: Touch , and select your desired brush and colour to graffiti on photos.
- **Add watermarks**: Touch , and select your desired watermark (such as **Time**, **Location**, **Weather**, or **Mood**) to personalise your photos.
- **Add a tag**: Touch , and select an annotation style and font format to enrich your photos.

Browse and Share Photos and Videos

Browsing through old photos or videos in your free time can bring back precious memories. Your photos and videos are stored in Gallery. You can view them by time, location, or by selecting an album.

View photos in full screen: Open **Gallery**, and touch a photo to view it in full screen mode. Touch the screen again to hide the menu. When viewing photos in full screen mode, you can:

- **Zoom in or out on a photo**: Place two fingers on the screen and separate them to zoom in on the photo, or close them to zoom out.
- **View shooting parameters**: To view the shooting parameters of a photo, touch ⓘ, and swipe up and down on the details window to view the ISO (sensitivity), EV (exposure compensation), resolution, and other parameters of the photo.
- **Rename a photo**: Go to ⋮ > **Rename**, and enter a new name for the photo.
- **Set photo as contact photo or desktop wallpaper**: Go to ⋮ > **Set as**, and set the photo as a **Wallpaper** or **Contact photo**.

Share a photo or video: Open **Gallery**, touch and hold any file to enter the selection screen, then select the files you want to share and touch ⋔. Select a sharing method and follow the onscreen instructions to complete sharing.

Set automatic photo rotation: Want to make your photos and videos follow the screen's rotation? From the **Gallery** screen, go to ⋮ > **Settings** > **Photo orientation**, and select **Always rotate**.

View by shooting time: You can view the shooting time of your photos and videos in the **Photos** tab. Go to ⋮ > **Settings**, and enable **Show time** to display the shooting date when viewing photos in full screen mode. From the **Photos** tab, you can separate or close two fingers to zoom out or in on the screen, and switch between day and month display for photos and videos.

View by shooting location: If you took a photo or video with **GPS tag** enabled in the **Camera** settings menu, you can view photos and videos in map mode.

View by album: You can view photos and videos by albums in the **Albums** tab. Some photos and videos are stored in default albums specified by the system. For example, videos recorded with the camera are saved in the **Camera videos** album. Screenshots and screen recordings are saved in the **Screenshots** album.

Play slideshows: From the **Photos** tab, go to ⋮ > **Slideshow**, and the system will automatically play a photo slideshow. Touch the screen to stop playing.

Organise Photo Albums

Add photos or videos to a new album: From the **Albums** tab, touch ＋, enter an album name, and then touch **OK**. Select the images or videos that you want to add to the new album.

Move photos or videos: Combine photos and videos from separate albums for easier viewing. Open an album, touch and hold a photo or video until appears, and then select the photos or videos to be moved. Touch and select the destination album. After you move a photo or video, it will be removed from the original album.

Declutter albums: If your album list is too cluttered, you can move some albums to **Others**. Touch and hold an album until appears, select the albums to be moved, and then touch to move the albums to **Others**. If you want to restore albums to their original location, open **Others**, touch and hold the albums to be restored, and then touch .

- You cannot move the **Camera**, **Camera videos** or **Screenshots** albums to **Others**.
- Moving an album created by a third-party app to **Others** will not affect the app.

Reorder albums: Move albums that you use frequently to the top of the list for easier viewing. Touch and hold an album until appears. Touch and hold and drag with your finger to move an album up or down the list. When you are done, touch to save changes.

You cannot reorder the **Camera**, or **Screenshots** albums.

Hide albums: Hide private albums that you don't want others to see. From the **Albums** tab, go to > **Hide albums** and toggle on the switches for albums that you want to hide.

You cannot hide the **Camera**, or **Screenshots** albums.

Delete photos or videos: Touch and hold a photo or video until appears, select the photos or videos to be deleted, and then touch > **Delete**. Deleted photos and videos are kept in the **Recently deleted** album and are marked with an icon that indicates the number of days before they will be permanently deleted. To permanently delete photos or videos, go to **Recently deleted**, select the photos or videos to be deleted, and then touch > **Delete**.

Restore deleted photos and videos: Open the **Recently deleted** album and touch and hold a photo or video until appears. Select the photos or videos to be restored and touch to restore them to the original album. The original album will be recreated if it no longer exists.

Phone Manager

Use One-touch Optimisation

Have you noticed that your Phone has slowed down recently? Do you worry that it might be vulnerable to malware and other security threats? Use one-touch optimisation to make your Phone run smoother and protect it from security threats.

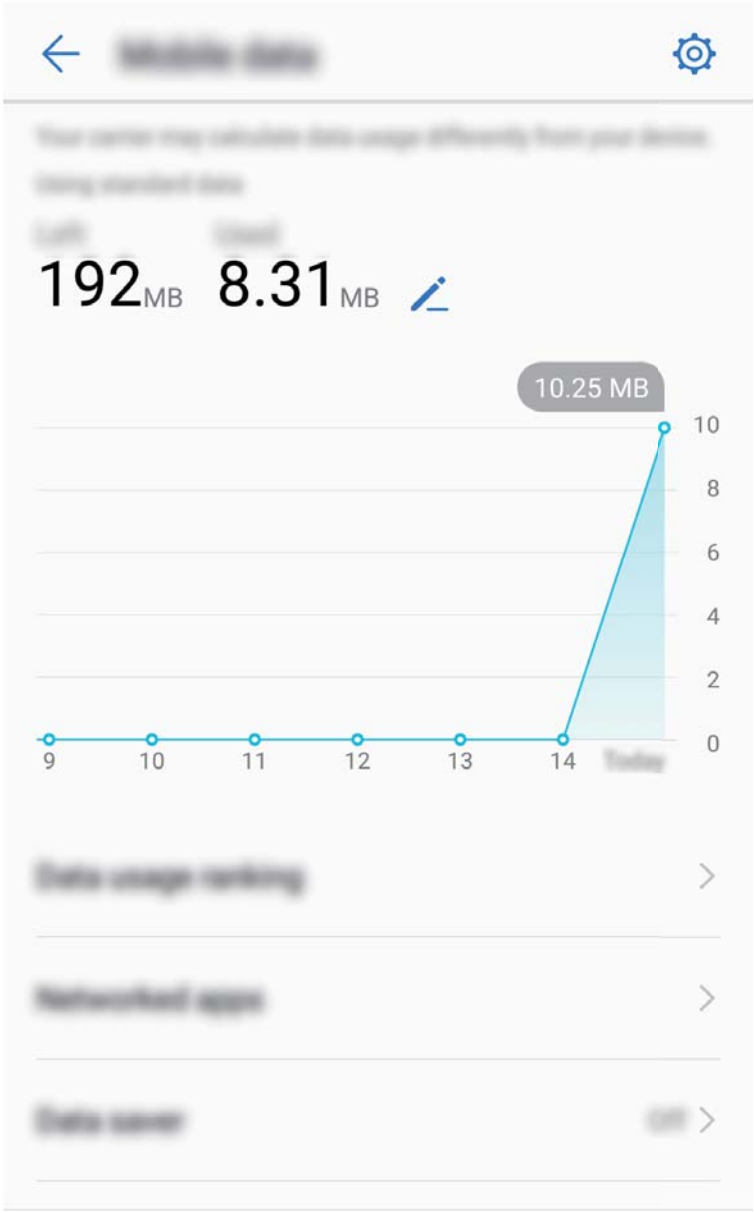
Go to **Phone Manager** and touch **OPTIMIZE**. Your Phone will increase its running speed, check for security risks, optimise power consumption, and monitor and intercept unknown phone numbers and harassing calls.

Manage Your Mobile Data

Worried about accidentally using up your monthly data and paying extra fees? Data management helps you monitor your data traffic and prevent excessive data usage.

Go to **Phone Manager**, and touch **Mobile data** to view data usage details or enable **Data saver**.

- **Data usage ranking**: Check the data usage of individual apps.
- **Networked apps**: Set Internet access permissions for each app.
- **Data saver**: Enable **Data saver** (prevent background apps from using mobile data) and select apps that are exempt from data usage restrictions.



Optimise Power Consumption

Running out of battery at an inopportune time can cause many inconveniences. Power saving features can help to prolong the battery life of your Phone, allowing you to play games or enjoy other features for longer.

Open **Phone Manager** and touch **remaining** to perform the following:

- **View power consumption details**: Touch **Battery usage** to view power consumption details. In the Battery usage details section, the blue marks beneath **Charging** indicate the times when your device was charging. Gaps between the marks indicate times when your device was not charging. This feature does not consume power. Touch **Battery usage** to view which apps and hardware are consuming the most power.
- **Comprehensive power consumption check and optimisation**: Touch **Optimize** to check for power consumption problems and automatically optimise performance.

- **Enable Power saving mode or Ultra power saving mode**: Enable **Power saving mode** or **Ultra power saving mode**. Choose the appropriate power saving mode based on your Phone's battery level to extend battery life.
- **Display remaining battery percentage in status bar**: Enable **Battery percentage** to display the remaining battery percentage in the status bar.
- **Manage app launches to save power**: Touch**Launch** to automatically or manually manage app auto-launch, secondary launch, and background activity. The system will automatically manage power usage to save power.

  You will receive a notification when there are power-intensive apps running in the background. Follow the onscreen instructions to optimise app settings.

Use Virus Scan to Keep Your Phone Safe

Opening the wrong advertisement can cause Trojan viruses and malware to secretly install and run on your device, stealing your contacts information and other personal data. Virus scan can locate and remove potential threats to keep your Phone in good shape.

Open **Phone Manager**, touch **Virus scan**, and your device will automatically scan for and delete security threats. At the same time, you can touch to perform the following options:

- **Cloud virus scan**: Enable **Cloud scan** and your Phone will add a dynamic, cloud-based scan to its standard scan, keeping the Phone safe from new threats.
- **Virus scan reminder**: Enable **Scan reminder** and the system will notify you if you do not perform an anti-virus scan for more than 30 days.
- **Quick scan**: Select **Quick scan**. The system will quickly scan key locations and apps on your device during routine maintenance.
- **Full scan**: Select **Full scan**. The system will comprehensively scan your device for malicious files at regular intervals. This process takes longer, but covers a wider range and ensures your device is protected from threats.
- **Virus library update**: Enable **Auto-update** and **Only update over Wi-Fi**. The system will automatically update the virus database over Wi-Fi, keeping its threat removal capabilities up to date.

Email

Add Email Accounts

Add your email account to your Phone for convenient email access at any time. If you have questions about specific settings while configuring your email, please consult your email account provider.

Add a personal email account: Open , select an email service provider or touch **Others**, enter your email address and password, then touch **Sign in** and follow the onscreen instructions to configure your account. The system will automatically connect to the server and check server settings.

Add an Exchange account: Exchange is developed by Microsoft and used by companies as their internal email system. If your company email uses Exchange servers, you can log in to your work email on your Phone. Go to > **Exchange**, enter your email address, username, and password, then touch **Sign in** and follow the onscreen instructions to configure your account. The system will automatically connect to the server and check server settings.

After configuration, the system will open the **Inbox** screen by default.

Manage Email Accounts

You can add one or more email accounts.

Open **Email**. You can:

Check emails: On the **Inbox** screen, touch , and then select an email account to view the list of your emails. Swipe down to refresh the list of emails. Open an email to read, reply, forward, or delete it. Swipe left or right on the screen to view the previous or next email. To delete multiple emails, touch the profile picture or touch and hold an email to go to the email management screen, select the emails, and touch .

Sync emails: Swipe down on the **Inbox** screen to refresh the emails list. Go to > **Settings**, touch an account, and then enable **Sync Email**. To sync automatically, touch **Sync frequency** and select the syncing time to complete configuration.

Search emails: On the emails list screen, touch the search bar, and enter the keywords, such as email subject, content.

Add multiple email accounts: Go to > **Settings** > , select your email service provider, and enter your information.

Switch email accounts: On the accounts screen, touch , and then touch an account profile picture to switch.

Configure email accounts: On the account screen, go to > **Settings**, select an account to set the **Account name**, **Default account**, or **Remove account**.

Manage VIP Email Contacts

Worried about missing an important contact's email among a sea of emails? You can add important contacts to the VIP list. Your device will automatically move emails from VIP contacts to the VIP mailbox.

Open **Email** and go to > **Settings** > **VIP contacts**. From the **VIP list** screen, go to **Add** > **Create** or **Add from contacts**.

Add or remove VIP contacts: On the **VIP list** screen, touch or to manage VIP contacts.

Change email notification for VIP contacts: From your email home screen, go to > **Settings** > **VIP notifications**.

Set Auto Response for Exchange Email

Unable to reply to emails on vacation? Enable auto responses to automatically reply to emails.

Open **Email**, go to > **Settings**, and select your Exchange account. Touch **Automatic replies**, enable **Automatic replies**, set the content and time of your auto response, and then touch **Done**.

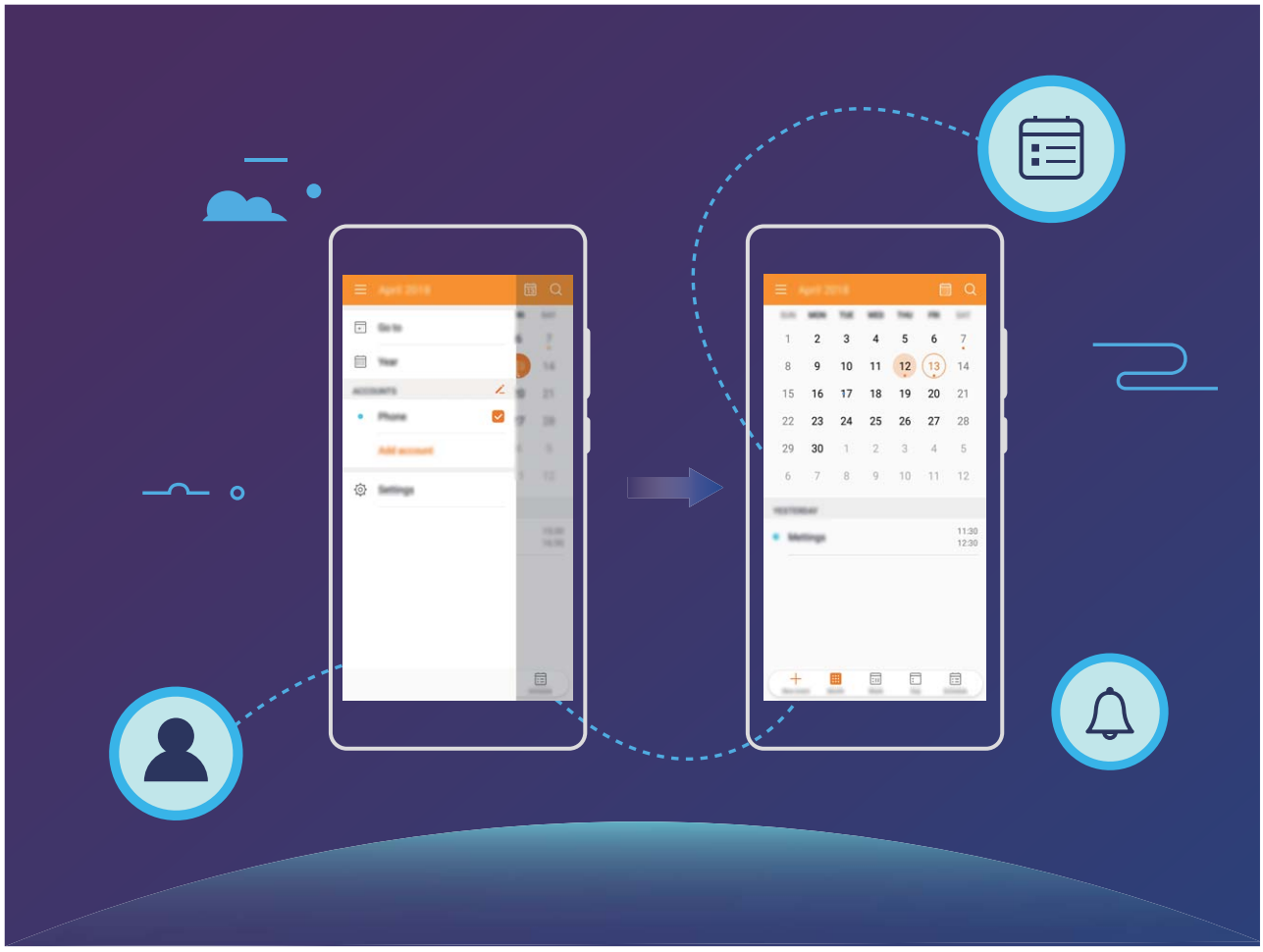
Calendar

Calendar: Your Event Management Centre

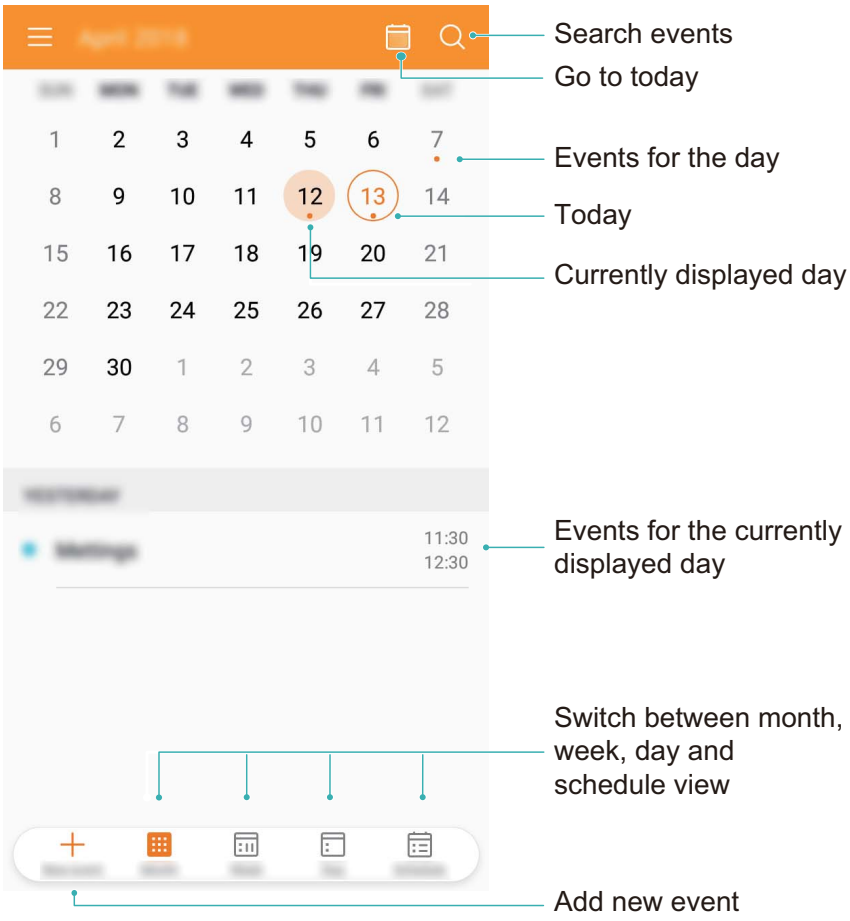
Too many events to keep track of? Calendar provides you with comprehensive event management, making your professional and personal lives easier.

Calendar provides the following functions:

- **Meeting reminders**: Worried about missing an important work meeting? Add your work email (Exchange account) in Calendar to check meeting reminders and receive a reminder from your Phone before the meeting begins.
- **Share events**: Want to share your schedule and invite your friends to an event? There are multiple sharing methods to choose from.



Navigate the Calendar



Create an event: Open **Calendar**, touch +, enter your event information including title, location, and start and end times. Go to **More** > **Remind** to add a reminder for your event, then touch ✓.

Search events: On the **Calendar** page, touch and enter the event keywords, such as title or location.

Configure Calendar: On the **Calendar** page, go to ≡ > **Settings** to customise calendar display and reminders.

Import To-Dos to Keep Your Work Organised

Import meeting reminders: Open **Calendar**, go to ≡ > **Add account**, and follow the onscreen prompts to add your work email (Exchange account) in calendar to check meeting reminders.

Share an event: Touch an event on the calendar or under schedule, then touch and follow the onscreen prompts to share the event using any of the multiple methods.

View Global Holidays

Travelling overseas for work or holiday? Download your destination country's holiday information ahead of time to better plan your work and schedule.

Open **Calendar**, go to > **Settings** > **Global holidays**, and enable the corresponding switch for your destination country. Your device will automatically download the holiday information.

Clock

Use the Clock

With many powerful features and lots of information, the humble Clock has a lot to offer. The Clock can be used as an alarm, a world clock, stopwatch, or a timer.

View the time all over the world: Go to **Clock**, touch on the **Clock** tab and enter the name of a city or select a city from the list of cities.

If the time in your current region is the same as that of your home city, the lock screen will only display one time.

Utilities

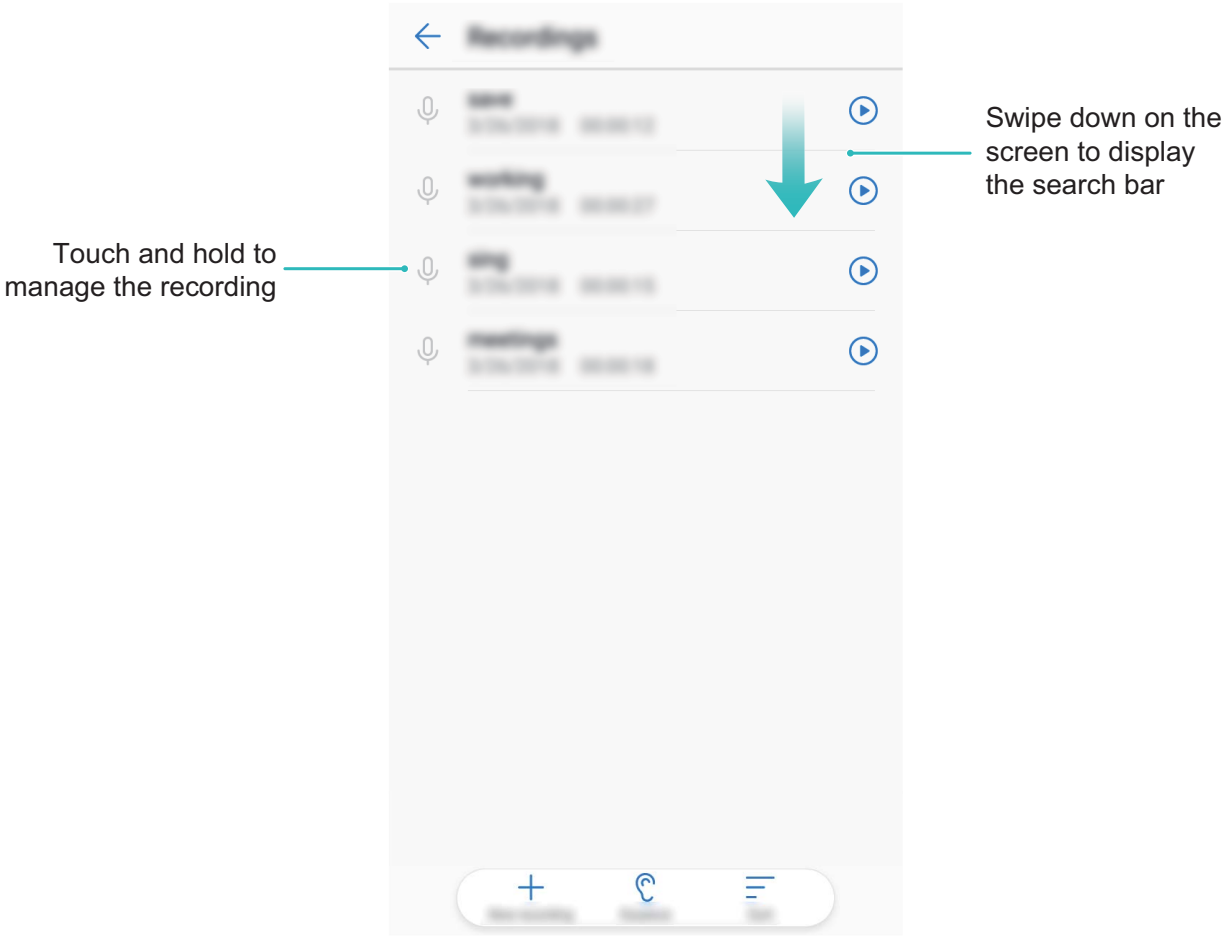
Use Recorder to Make Audio Notes

Not enough time to write down all the important details during a meeting? Need to sort out a pile of notes from an interview or class? Recorder lets you record audio files that you can conveniently play back later.

Enable **Sound Recorder**, swipe left or right on the screen and select a recording scenario. Touch to begin recording. In the process of recording, you can add tags at important points as you require. Touch to finish recording and save the audio file.

After the recording is completed, you can:

- **Manage recordings**: Touch **Recordings** to access options such as sorting and sharing recordings.



Device Connection

Bluetooth

Connect Your Phone to Bluetooth Devices

Use Bluetooth to connect your Phone to Bluetooth headsets and in-car Bluetooth to navigate or listen to music while you drive. You can also connect your Phone to Bluetooth wearables to record and manage fitness data. Connecting Bluetooth devices to your Phone does not increase power consumption significantly.

Bluetooth protocols used by Huawei devices and their functions:

HFP, HSP	Make calls
A2DP	Play music
AVRCP	Control music playback
OPP	Transfer files
PBAP	Sync contacts
MAP	Sync text messages

HID	Operate Bluetooth keyboards and mouses
PAN	Tethering
BLE	Connect to Bluetooth Low Energy (BLE) devices

Enable or disable Bluetooth: From the home screen, swipe down from the status bar, open the shortcuts panel, and then touch to enable or disable Bluetooth. Touch and hold to open the Bluetooth settings screen.

Pair a Bluetooth device: Enable **Bluetooth** from the Bluetooth device's settings screen. Check that the Bluetooth device is set to visible. From **Available devices**, touch the device you want to pair and then follow the onscreen instructions to complete pairing.

Unpair a Bluetooth device: Enable **Bluetooth** from the Bluetooth device's settings screen. Touch next to the name of the paired device and then touch **Unpair**.

Change Bluetooth device name: From the Bluetooth settings screen, enable **Bluetooth**. Touch **Device name**, enter a new name for the device, and then touch **Save**.

Use Bluetooth to Share Data

Connect your Phone to another device over Bluetooth to share data, import and export contacts, and set up Internet tethering.

Use Bluetooth to send files: Open **Files**, touch and hold the file that you want to send, and then go to **More** > **Share** > **Bluetooth**. Follow the onscreen instructions to enable Bluetooth. When the other device is detected (Bluetooth must be enabled and the device must be visible), touch the name of the device to establish a connection and start sending files.

Receive files over Bluetooth: From the home screen, swipe down from the status bar, open the shortcuts panel, and then touch to enable Bluetooth. Touch **Accept** on the file transfer notification to begin receiving the files. Received files are saved to the **bluetooth** folder in **Files** by default.

Import or export contacts over Bluetooth: Open **Contacts** and go to > **Import/Export** to perform the following:

Export contacts: Touch **Share contacts**, select the contacts that you want to share, touch**Share** and select **Bluetooth**. Follow the onscreen instructions to establish a Bluetooth connection with the other device. Those contacts selected will be exported from your Phone to the other device automatically.

Connecting USB Device

Transfer Data Between Your Phone and Computer

Use a USB cable to connect your phone to your computer and transfer data.

Select USB connection mode

1 Swipe down from the status bar to open the notification panel, and then touch **Charging via USB** to select a USB connection method.

- **Charge only**: Use the USB connection only to charge your Phone.
- **Transfer files**: Transfer files between your Phone and computer.
- **Transfer photos**: Transfer pictures between your Phone and a computer. If your computer does not support MTP, you can use PTP to transfer files and pictures between your Phone and computer.
- **Reverse charging**: Connect your Phone to another device with a USB Type-C cable to charge the other device.
- **MIDI**: Use your Phone as a MIDI input device and play music on your computer.

Connect your Phone to your computer using a USB cable to transfer data and perform other tasks.

- **Send files**: MTP (Media Transfer Protocol) is a protocol that allows you to transfer media files. You can use it to transfer files between your Phone and computer. Before using MTP, please install Windows Media Player 11 or later on your computer.
  Swipe down from the status bar to open the notification panel, and then set your USB connection method to **Transfer files**. Your computer will then install the necessary drivers. On your computer, open the drive that is named after your Phone's model to browse files stored on your Phone. You can also browse multimedia content on your Phone using Windows Media Player.
- **Transfer images**: PTP (Picture Transfer Protocol) is a protocol that allows you to transfer images. You can use it to transfer images between your Phone and computer more conveniently.
  Swipe down from the status bar to open the notification panel, and then set your USB connection method to **Transfer photos**. Your computer will then install the necessary drivers. On your computer, open the drive that is named after your Phone's model to browse images stored on your Phone.
- **Transfer MIDI data to your Phone**: MIDI (Musical Instrument Digital Interface) is an industry standard audio format for composers and electronic instrument manufacturers.
  Swipe down from the status bar to open the notification panel, and then set your USB connection method to **MIDI**. You will now be able to transfer MIDI data between your Phone and other devices.

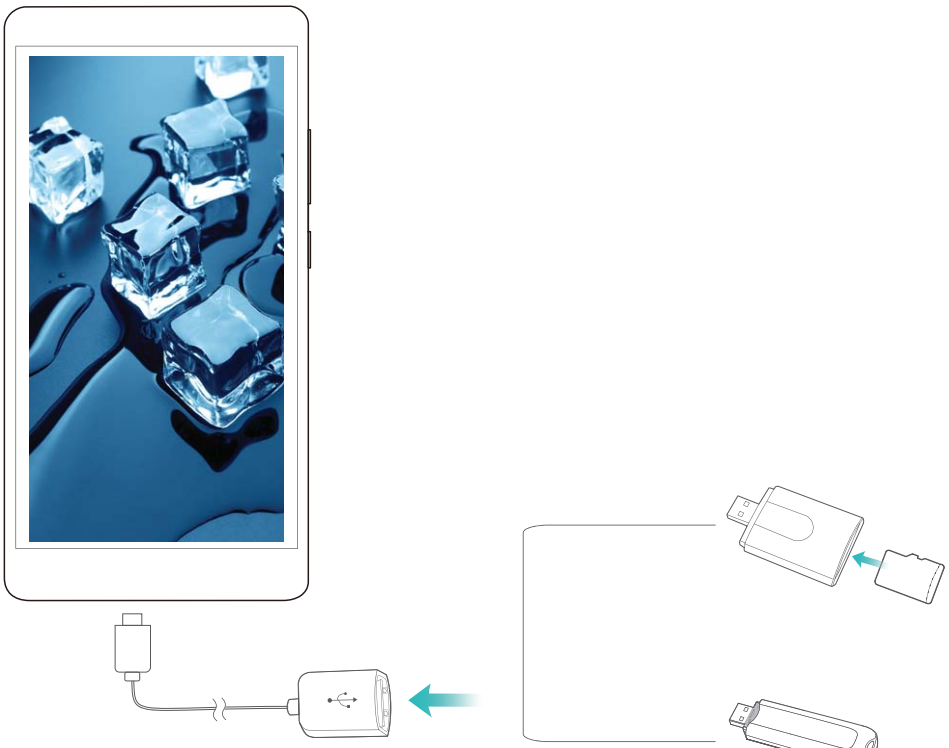
Transfer Data Between Your Phone and a USB Device

USB OTG (USB On-The-Go) lets you transfer data directly between your Phone and other devices (such as phones, tablets, cameras, and printers) without requiring a computer. You can also use an USB OTG cable to connect your Phone directly to a USB storage device and transfer files.

Transfer data between your Phone and a USB storage device

You can use an OTG cable to access USB storage devices (including USB drives and card readers) directly from your Phone.

1 Connect the USB drive to your Phone using a USB OTG cable.



USB OTG cable

2 Go to **Files** > **Local** > **USB drive**, navigate to the USB drive, select the data that you want to copy, and then copy it to the target folder.

3 Once the transfer is complete, go to **Settings** > **Storage** > **USB drive** > **Eject**.

4 Disconnect the USB OTG cable and USB cable from the two devices.

Security and Privacy

Location Information Protection

Location Services: Determine the Location of Your Phone

Location Services collects and provides location information for location-based apps (such as weather, maps, travel, and shopping apps) on your Phone. The approximate location of your Phone is determined by GPS positioning (if GPS is enabled and the service is available), mobile network data, and Wi-Fi positioning (if enabled). If GPS positioning is disabled, apps can still collect location information in other ways.

Enable or Disable Location Services

After obtaining the location information permission, apps can obtain your location at any time. If your location information is obtained by a malicious app, you may be at risk of harm or fraud. You can enable or disable location services as needed and regularly monitor and manage the allowed permissions for your apps to protect your privacy and security.

Enable or disable location services: Open **Settings**, go to **Security & location** > **Location**, and enable or disable **Access to my location**. When location services are enabled, you can also set the appropriate positioning mode. When location services are disabled, aside for pre-installed software (such as Find my Phone), your Phone will stop all apps and services from collecting and using your location information. The system will ask you to enable location services when you attempt to use these apps.

- **Use Wi-Fi,Bluetooth,or mobile**: Calculates your Phone's location using carrier base station location information or nearby Wi-Fi router location information. The accuracy of the location information depends largely upon location information gathered from the base station or Wi-Fi network. Accuracy normally ranges from 100 metres to several kilometres. Network positioning has low accuracy, but allows for positioning while indoors and uses less battery power.
- **Use GPS and device sensors**: Only uses satellites found by your Phone's GPS to determine your position. No network connection is needed. GPS satellite positioning is more accurate but also uses more battery. It is accurate within tens of metres. However, indoor positioning may be inaccurate.
- **Use GPS,Wi-Fi,Bluetooth,or mobile**: Combines the benefits of GPS positioning and networking positioning for accurate indoor and outdoor positioning.

- Features may vary depending on your carrier.
- Huawei only uses location data to provide you with necessary functions and services, not for the purpose of identifying and collecting your private information.

Set indoor positioning assistance: Open **Settings**, go to **Security & location** > **Location** > **Scanning**, and enable or disable Wi-Fi and Bluetooth scanning. Scanning Wi-Fi networks and Bluetooth devices will improve the accuracy of indoor positioning.

Enhanced Data Protection: Defend Your Privacy

Worried that your photos, bank account information, or other private data might get leaked if your Phone is lost or stolen? Huawei Phones now feature security chips in addition to the combined protection provided by the trusted root key and lock screen password. Whether your data is stored in a microSD card or internal storage, it will receive the highest level of protection.

Stronger encryption and safeguards: Huawei Phones use a hardware key that cannot be used to decrypt data when separated from the Phone. Based on the trusted root key, the encrypted components are incorporated into the memory control chip to enhance the data protection capability of the hardware. This works together with your lock screen password to protect your private data. When you use PrivateSpace, Multi-user, encrypted microSD files, or other features to encrypt photos, personal information, or other personal data, the only way your data can possibly be decrypted is if the trusted root key, lock screen password, and security chip are simultaneously cracked.Not all devices support microSD cards.

Backup and Restoration

Data Backup: Prevent Data Loss

Ever worry that important personal data on your Phone might be accidentally deleted or lost? Back up your data regularly to prevent data loss and increase your peace of mind.

There are four ways to back up your Phone's data:

- **microSD card**: If your Phone supports microSD cards, you can back up your data to a microSD card at any time, giving you a convenient way to prevent data loss.
- **Device internal storage**: You can back up smaller files to your device's internal storage.
- **USB storage device**: If you're running out of space in your Phone's internal storage, you can connect your Phone to a USB storage device using a USB OTG cable to back up your data.
- **Computer backup**: You can back up important data, pictures, and large files from your Phone to a computer to prevent data loss and free up your Phone's internal storage.

Back Up Your Data to a microSD Card

Worried about losing your data during a system update? Want to transfer data from an old device to your new Phone? If your Phone supports microSD cards, you can back up your data to a microSD card at any time, giving you a convenient way to protect yourself from data loss.

- Not all devices support microSD cards.
- Features may vary depending on your carrier.
- Always remember your backup password as you will not be able to retrieve your backup files without it.

To back up your data to your microSD card, open **Backup**, go to **Back up** > **SD card** > **Next**, select the data you want to back up and touch **Back up**. A backup password is not required for pictures, audio and video files, and documents but is required for other types of data. Follow the onscreen instructions to set a backup password and security question.

You can view your backup files from the **Huawei\Backup** folder in **Files** > **Local** > **SD Card**.

Back Up Your Data to Internal Storage

You can back up your Phone's data to internal storage to prevent data loss. You are advised to back up relatively small files to your internal storage.

- Features may vary depending on your carrier.
- Always remember your backup password as you will not be able to retrieve your backup files without it.

To back up your data to internal storage, open **Backup**, go to **Back up** > **Internal storage** > **Next**, select the data you want to back up and touch **Back up**. A backup password is not required for pictures, audio and video files, and documents but is required for other types of data. Follow the onscreen instructions to set a backup password and security question.

You can view your backup files from the **Huawei\Backup** folder in **Files** > **Local** > **Internal storage**.

Back Up Your Data to a USB Storage Device

If you are running out of storage space on your Phone or you want to back up your important data to an external storage device, you can connect your Phone to a USB storage device using a USB OTG cable to back up data. USB storage devices compatible with your Phone include USB flash drives, card readers, and devices that have a microSD card inserted.

- Features may vary depending on your carrier.
- Not all devices support microSD cards.
- Always remember your backup password as you will not be able to retrieve your backup files without it.

To back up your data to a USB storage device, open **Backup**, go to **Back up** > **USB storage** > **Next**, select the data you want to back up and touch **Back up**. A backup password is not required for pictures, audio and video files, and documents but is required for other types of data. Follow the onscreen instructions to set a backup password and security question.

You can view your backup files from the **Huawei\Backup** folder in **Files**.

Back Up Your Data to a Computer

Do you have important data, pictures, or large files stored on your Phone? You can back up your important data to a computer to prevent data loss and free up storage space on your Phone.

Always remember your backup password as you will not be able to retrieve your backup files without it.

Please install the Huawei app on your computer before using it to back up or restore files from your Phone.

Back up data to your computer: Connect your Phone to your computer using a USB data cable. The Huawei app will automatically open on your computer. From the Huawei app, select the data you want to back up, and follow the onscreen instructions to back up the data to your computer.

Import data to your Phone: Connect your Phone to your computer using a USB data cable. Open the Huawei app and go to the data recovery page to copy data from your computer to your Phone. If the backup data is password protected, enter the password when prompted.

Wi-Fi and Network

Wi-Fi

Connect to Wi-Fi

Connect to a Wi-Fi network to conserve your mobile data.

To prevent unauthorised access to your personal data and financial information, always exercise caution when connecting to public Wi-Fi networks.

Connect to Wi-Fi: Open **Settings**, go to **Network & Internet** > **Wi-Fi** and enable **Wi-Fi**. Select the network you want to connect to. Depending on the network settings, you may have to enter a password. Follow the onscreen instructions to complete authentication if required.

- **Refresh a Wi-Fi hotspot**: Touch **Scan** to search again for available wireless networks.
- **Manually add a Wi-Fi hotspot**: Scroll to the bottom of the menu, touch **Add network…**, and follow the onscreen instructions to enter the network SSID and password.

Connect to a Wi-Fi network through WPS: In the Wi-Fi screen, go to **Wi-Fi preferences** > **Advanced** > **WPS push button**. Press the WPS button on your router to establish a connection. Connecting to a WPS-enabled router over WPS allows you to quickly connect to the network without entering a password.

Transfer Data Using Wi-Fi Direct

Wi-Fi Direct allows you to rapidly transfer data between Huawei devices. Wi-Fi Direct is faster than Bluetooth and does not require devices to be paired. It is better suited to transferring large files over short distances.

Send files with Wi-Fi Direct: Open **Files**, touch and hold a file you want to send, and go to **More** > **Share** > **Wi-Fi Direct**. When another device is detected, touch its name to establish the connection and begin file transfer.

Receive files with Wi-Fi direct: Enable **Wi-Fi**. In the Wi-Fi settings screen, touch **Wi-Fi Direct** to enable detection. When you receive an incoming file prompt, touch **Accept** to begin the transfer. The received file will be saved under **Files** in the **Wi-Fi Direct** folder by default.

Manage Dual-SIMs

You can enable or disable a SIM card based on your usage needs. You can also set a default SIM card for accessing the Internet and making calls.

Open > **Wireless & networks** and touch **Dual SIM settings**. Configure the two SIM cards based on your needs. The disabled SIM card cannot be used to make calls, send messages, or access the Internet.

Enable call forwarding: **Enable call forwarding between SIMs**. While on a call using one SIM card, incoming calls on the other SIM card can be forwarded to the present SIM, so you can choose to answer or not.

Some carriers may not support this feature.

Connecting to the Internet

Connect to Wi-Fi networks effortlessly with your device.

Connecting to a Wi-Fi network

1 Swipe down from the status bar to open the notification panel.

2 Touch and hold to open the Wi-Fi settings screen.

3 Switch on **Wi-Fi**. Your device will list all available Wi-Fi networks at your location.

4 Select the Wi-Fi network you want to connect to. If you select an encrypted network, you will also need to enter the Wi-Fi password.

Connecting using mobile data

Before using mobile data, ensure that you have a data plan with your network provider to avoid incurring excessive data charges.

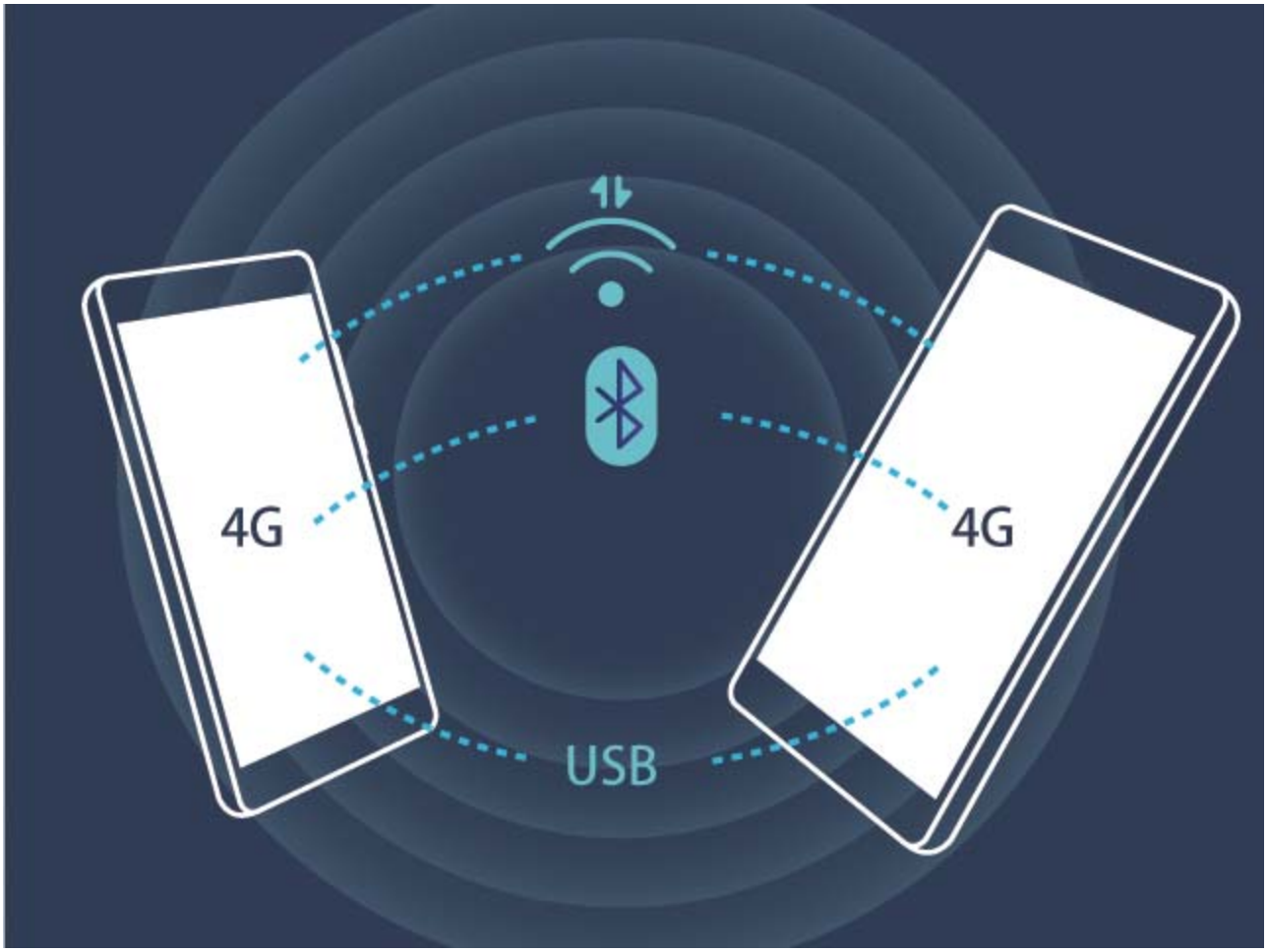
1 Swipe down from the status bar to open the notification panel.

2 Touch to enable mobile data.

When you don't need to access the Internet, disable mobile data to save battery power and reduce data usage.

Share Your Mobile Network with Other Devices

Have extra mobile data at the end of the month? You can share it with your friends.



You can use Wi-Fi hotspot, a USB cable, or Bluetooth to share your mobile data with other devices.

Use Wi-Fi hotspot to share mobile data: Open **Settings** and go to **Network & Internet** > **hotspot & tethering** > **Wi-Fi hotspot** > **Set up Wi-Fi hotspot**. Set the network name, encryption type, and password for the Wi-Fi hotspot, then touch **Save** and enable the hotspot to use it.

Use Bluetooth to share mobile data: Establish a Bluetooth connection and pair the devices before using Bluetooth to share your mobile data. Open **Settings**, go to **Network & Internet** > **hotspot & tethering**, and enable **Bluetooth tethering**. On the **Bluetooth** screen, touch next to the paired device, and enable **Internet access** to establish an Internet connection and share your mobile data.

Use USB to share mobile data: Use a USB cable to connect your device to a computer. Open **Settings**, go to **Network & Internet** > **hotspot & tethering**, and enable **USB tethering** to start sharing your mobile data.

Depending on the operating system, you may need to install drivers or establish the relevant network connection on your computer before using this function. Refer to your computer's operating system guide for more information.

Sound and Display

Do Not Disturb

Configure Do Not Disturb Mode

Do not disturb mode blocks calls from strangers and only notifies you when you receive calls and messages from chosen contacts.

- Alternatively, swipe down from the status bar and touch on the shortcuts panel to quickly enable or disable**Do not disturb preferences** mode.
- Some third-party apps may continue to ring when Do not disturb mode is enabled. Configure the in-app settings to mute notifications from these apps.

Time rule: Prevent interruptions at set times, such as weekends or evenings. Touch **Weeknight/ Weekend** to configure the time period and repeat interval, then toggle on the **Weeknight/Weekend** switch.

Event rule: Prevent interruptions during meetings or events. Touch **Event** to enable **Do not disturb preferences**mode during calendar events.

Configure Your Sound Settings

When you are watching movies or playing games, your device will automatically switch to stereo sound to enhance your audio experience. You can also set ringtones and audio reminders for a variety of different scenarios.

Adjust system volume: Press a volume button and touch to adjust your ringtone, media, alarm, or call volume.

You can also adjust volume in your system settings. Open **Settings**, touch **Sound** and drag the volume slider to adjust your volume.

Enable keypad and notification tones: Open **Settings** and go to **Sound** to enable or disable keypad and notification tones.

Customise your ringtone and notification tone: From the **Sound** screen, select a custom ringtone or use the **Default notification sound**.

Enable Eye Comfort Mode to Prevent Eye Strain

Do your eyes get tired and sore after looking at your Phone for a long time? Eye comfort mode can effectively reduce blue-light and adjust the screen to warmer colours, relieving eye fatigue and protecting your eyesight.

Enable Eye comfort mode: Open **Settings**, go to **Display** > **Eye comfort**, and enable **Eye comfort**. The Eye comfort mode icon will be displayed in the status bar. Once Eye comfort mode is enabled, blue light will be filtered out and the screen will take on a red tint.

Quickly enable or disable Eye comfort mode: Swipe down from the status bar to open the notification panel. From the notification panel, touch to expand the shortcuts panel, then enable or disable .

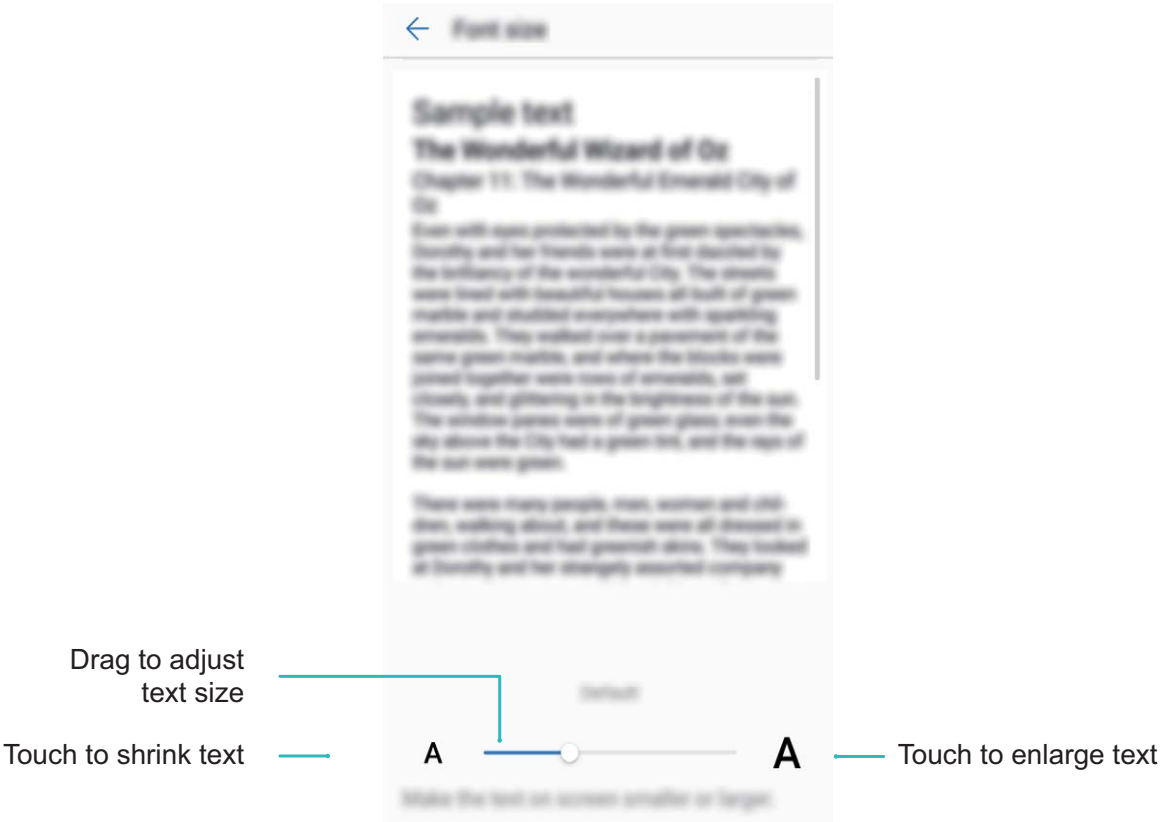
Adjust Eye comfort mode colour temperature: Once Eye comfort mode is enabled, blue light will be filtered out and the screen will take on a mild red tint. You can adjust the colour temperature as needed. After you have enabled **Eye comfort**, you can adjust the colour temperature slider for a cooler or warmer screen colour.

Change the Display Settings

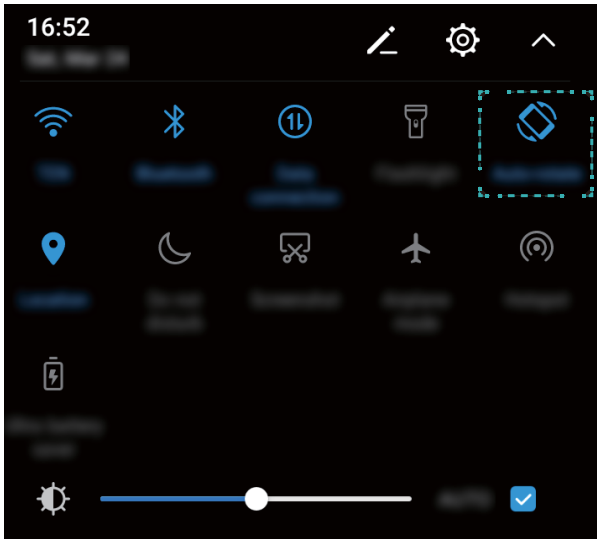
Change the font size and adjust the screen brightness to suit your needs.

Open **Settings** and touch **Display**. From here you can:

- **Change the image and text size**: Touch **Display size** and select a display mode to suit your needs.
- **Change the text size**: Touch **Font size** and select the desired size.



- **Adjust the screen brightness**: From **Brightness level**, select the check box next to **Auto**. When this option is enabled, your Phone will automatically adjust the screen brightness based on the ambient brightness. To manually adjust the brightness, drag the brightness slider, or swipe down on the status bar to open the notification panel and access the brightness settings.
- **Enable automatic screen rotation**: Enable **Auto-rotate screen**. Alternatively, swipe down from the status bar, open the shortcuts panel, and then switch on .



- **Adjust the colour temperature**: Touch **Colour temperature**. Select a preset option (**Default**, **Warm**, or **Cold**), and then touch **OK** to apply the settings. Alternatively, touch or drag the slider to manually adjust the colour temperature. The colour temperature cannot be changed when **Eye comfort** is enabled.

Storage

Storage Cleaner

Clean Up Memory for Faster Performance

Does your Phone slow down over time? Do you want to clean up your system storage but are unsure which files to delete? Memory cleanup helps you quickly clear your cache, large and residual files, and unused app files to speed up system performance and keep your Phone in top shape.

When your system performance slows down or remaining storage space is low, Phone Manager will remind you to clean up. You can follow the onscreen prompts to clean up your Phone's memory and free up storage space.

Clean: Scan for and clean up trash files and system cache to quickly free up memory and internal storage space without affecting your Phone usage.

Deep clean: Scan for redundant files including WeChat files, large files, videos, images, app residual files, music files, unnecessary installation packages, unused files, and files that take up a lot of space, and obtain cleaning suggestions based on the scan results. This helps you free up storage space without accidentally deleting important files.

Enable Storage cleaner

Your Phone may slow down over time as your storage space gets smaller. You can use memory cleanup to free up storage space, improve system performance, and keep your Phone running smoothly.

Open **Phone Manager**, touch **Cleanup**, and clean up memory and cache based on the scan results to speed up your device's performance. If your storage space is still low, you can perform a deep clean to free up more storage space based on the scan results and cleanup recommendations.

System

Change the Input Method

You can change the input method on your Phoneas desired.

Open **Settings**. Go to **System** > **Language & input** and enable the desired input method. Return to **Language & input**, touch **Default keyboard**, select the input method.

Accessibility

Enable TalkBack to Have Onscreen Content Read Aloud

TalkBack reads aloud content on the screen that you touch, select, or activate. It is a useful tool that helps visually impaired users interact with their Phone.

1. Open **Settings** and go to **Accessibility** > **TalkBack** to open the **TalkBack** settings screen.
2. Enable **TalkBack** and touch **OK**. Your device will launch a tutorial when you enable TalkBack for the first time. If you need to listen to the tutorial again, touch , open the TalkBack settings screen, and then launch the tutorial.
3. Touch and enable **Explore by touch**. When **Explore by touch** is enabled, your device will read out content that you touch.

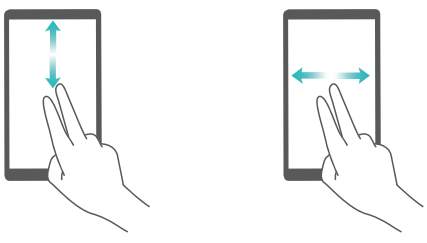
Why does my Phone suddenly start reading out content on the screen? How do I disable this feature? You may have enabled TalkBack by accident. To disable TalkBack, press and hold the Power button until your device vibrates, and then touch the screen with two fingers for at least three seconds.

Learn TalkBack Gestures

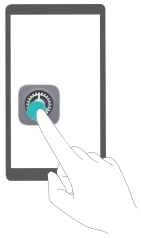
TalkBack uses a special set of gestures for Phone operation. When TalkBack is enabled, these gestures are required to interact with the device.

If you accidentally enable TalkBack, press and hold the Power button until your device vibrates, and then touch the screen with two fingers for at least three seconds to disable it.

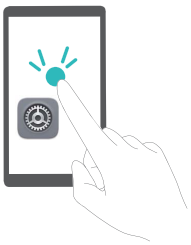
Navigate the screen: Swipe up or down with two fingers to scroll through menu lists. Swipe left or right to move between screens.



Select an item: Touch an item with one finger to select it (it will not open). Your device will read out the content of the selected item.



Open an item: Double-touch any part of the screen using one finger to confirm your selection from the previous step.



For example, if you want to open **Settings**, touch the **Settings** icon once using one finger, and then touch twice anywhere on the screen.

Use Text-to-Speech Output with TalkBack

The text-to-speech feature can read aloud texts on the screen of your Phone. It can also be used with the TalkBack service to help visually impaired users interact with their devices.

Open **Settings**, go to **Accessibility** and enable **Text-to-speech output**. Configure your preferred engine and speech rate to enable this feature.

Enable Colour Correction

The colour correction setting enables your device to compensate for the effects of colour blindness.

When colour correction is enabled, users with normal colour vision may have difficulty viewing some colours.

Open **Settings**, go to **Accessibility** > **Colour correction** and enable **Colour correction**. Touch **Correction mode** to select the required colour correction mode.

General Settings

Change Your System Language

Want to change your Phone's system language? This can be done with ease.

Open **Settings**, go to **System** > **Languages & input** > **Languages** and select your system language. If you cannot find your language from the language list, touch **ADD A LANGUAGE** to add your language.

Set Your System Time and Date

If you travel abroad or change your SIM card, your Phone will automatically display the time and date provided by the local mobile network. You can also adjust the time and date manually, modify the time format, or set dual clocks on your lock screen.

Open **Settings** and go to **System** > **Date & time**. From here you can:

- **Modify the time and date**: Enable **Automatic date & time** to sync your Phone's time and date with your mobile network. Disable **Automatic date & time** to set your time and date manually.
- **Modify your time zone**: Enable **Automatic time zone** to sync your Phone's time zone with your mobile network. Disable **Automatic time zone** to set your time zone manually.
- **Change the time format**: Enable **24-hour time** to set your time format to 24 hours. Disable **24-hour time** to set your time format to 12 hours.

Print Documents and Photos from Your Phone

Connect your Phone to a printer over Wi-Fi to print out documents and photos with ease.

- Mopria allows you to print directly from your Phone to a Mopria-certified printer. The printer connects to your Phone over Wi-Fi.
- If your printer is not Mopria-certified, contact the printer manufacturer to obtain a plug-in for your model.

1 Connect your Phone and printer to the same Wi-Fi network.

- **Connect to your printer's hotspot**: If your printer has a wireless hotspot, follow the instructions in the printer manual to enable the hotspot and set a password. On your Phone, open **Settings** and go to **Network & Internet** > **Wi-Fi**. Enable **Wi-Fi**, select the printer hotspot, and then follow the onscreen instructions to establish the connection.
- **Connect with Wi-Fi Direct**: If your printer supports Wi-Fi Direct, follow the instructions in the printer manual to enable this feature. On your Phone, open **Settings** and go to **Network & Internet** > **Wi-Fi**. Enable **Wi-Fi**, touch **Wi-Fi preferences** > **Advanced** > **Wi-Fi Direct**, and then select your printer from the list of detected devices.
- **Connect to your router**: On your printer, enable Wi-Fi and connect to your home router. On your Phone, open **Settings** and go to **Network & Internet** > **Wi-Fi**. Enable **Wi-Fi**, select your router, and then follow the onscreen instructions to complete the settings.

2 Open **Settings**. Go to **Connected devices** > **Printing** > **default print service** and check that **default print service** is enabled. Select a printer from the search results, or touch **More** > **Add printer** and follow the onscreen instructions to manually add a printer.

3 You can now print directly from your Phone:

- **Print an image**: Go to **Gallery**. Open the image that you want to print, go to **MORE** > **Print or export to PDF**, and then follow the onscreen instructions to send the image to the printer.
- **Print a webpage**: In your browser, open the webpage that you want to print, and then select the print option from the menu.
- **Print a document**: Open the document that you want to print in a productivity app and select the print option from the menu.

Enable Airplane Mode for Safer Flying and Longer Battery Life

Worried that it's not safe to leave your Phone on during a flight? Want an easy way to increase your Phone's battery life when you don't plan on making or receiving any calls? You can enable Airplane mode to fly safely and increase your battery life.

When flying, please follow the flight crew's instructions and either turn off your device or enable Airplane mode.

If Airplane mode is enabled, your Phone will automatically disable calls, mobile data services, Bluetooth, and Wi-Fi. However, you can manually enable Bluetooth and Wi-Fi in Airplane mode.

Enable or disable Airplane mode using the shortcut switch: Swipe down from the status bar. From the notification panel, touch to open the shortcuts panel and then touch .

Enable or disable Airplane mode from the Settings menu: Open **Settings**, touch**Network & Internet** and enable or disable **Airplane mode**.

After you enable Airplane mode, an icon will appear in the status bar.

Use Account Management to Manage and Update Your Accounts

Want to sync multiple email accounts, app notifications and records from multiple Phones and computers? You can use your Phone to manage and update in real time multiple email and app accounts on a variety of other devices including Phones, computers, and others.

- Third-party app accounts can only be created if the third-party app is installed on your device.
- The type of information that can be synced depends on the account type.

Open **Settings** and touch **Users & accounts**. From here you can:

- **Add an account**: Touch **Add account**, select an account type and then follow the onscreen instructions to enter the account details and add the account.
- **Delete an account**: Select the account you want to delete and then follow the onscreen instructions to delete the account.
- **Sync accounts**: Select **Auto-sync data**, follow the onscreen instructions and then touch **OK**. If you do not select **Auto-sync data**, you can select an account manually and touch to sync.

View Memory and Storage Information

Unsure of how much memory and storage you have left after using yourPhone for a long time? You can view your Phone's memory and storage information to help you monitor your memory and storage use and decide whether to perform a cleanup.

Not all devices support microSD cards.

Open **Settings** and touch **Storage** to view your memory, internal storage, or microSD card usage information, and perform the following:

- **Clear storage space**: Select **Storage cleaner** to enter the **Cleanup** screen and clean your memory or free up storage space with a single touch.
- **Change default storage location**: Touch **Default location** and set the default storage location to either your Phone's internal storage or the microSD card.
- **Format your microSD card**: Go to **SD Card** > **Format** > **Erase & format** to clear all data in your microSD card. Backup your data beforehand to avoid data loss.

View Product Information to Know Your Device Better

To get to know your Phone better, you can view your Phone's product information such as the model number, version number, IMEI number, hardware settings, product specifications and legal certification.

Single SIM devices have one IMEI number while dual SIM devices have two IMEI numbers.

View product information: Go to **Settings** and touch **System** > **About phone** to view information such as the model number, different version numbers, IMEI number, hardware information, status information and legal certification for your device.

Use Smart Settings to Find a Setting Quickly

Want to change the font style but can't find the setting? Smart settings can help you find a setting quickly. They can also recommend settings for you based on your device usage, allowing you to enable or disable a setting in a single step.

Open **Settings**. Your Phone will recommend settings for you based on your device usage. You can also enter a keyword or synonym in the search bar and your Phone will display all related settings.

System Update

Performing an Online Update

Your Phone will prompt you to download and install a system update when a new version is available. The online update feature allows you to update your Phone quickly and securely.

- Before performing an online update, ensure that your Phone is connected to the Internet. Online updates require an Internet connection. Update your Phone over a Wi-Fi network to avoid incurring unnecessary data charges.
- Ensure that your Phone is at least 30% charged during the update process.
- Avoid using unauthorised third-party software to install firmware and system updates. These may cause your Phone to cease functioning or disclose your personal information. For best results, update your system using the online update feature, or take your Phone to your nearest Huawei service centre.
- Always back up your data before updating your Phone to avoid potential data loss.
- Some third-party apps may be incompatible with the new system version (such as online banking apps or games). Please wait for a new version of the third-party app to be released.

1 Open **Settings**.

2 Go to **System** > **System update** > **Check for updates**.

- When the system detects a new update, go to **New version** > **Quick update**.
- If the system indicates that it is up-to-date, go to ⋮ > **Download latest full package**. When the system detects a new update, go to **New version** > **Quick update**.

System updates may take a while to complete. Avoid using your Phone during this time. Your Phone will automatically restart when the update is complete.

This guide is for reference only. The actual product, including but not limited to the color, size, and screen layout, may vary. All statements, information, and recommendations in this guide do not constitute a warranty of any kind, express or implied.

Note: Remember the Google account your phone last logged in to.
During an untrusted factory settings restoration or microSD card–based update, Google's anti-theft mechanism requires you to enter the Google account your phone last logged in to on the startup navigation screen for identity authentication. Your phone can properly power on only after the identity authentication passes.

Please visit http://consumer.huawei.com/en/support/hotline for recently updated hotline and email address in your country or region.

Model : DRA-L01
DRA-L21